

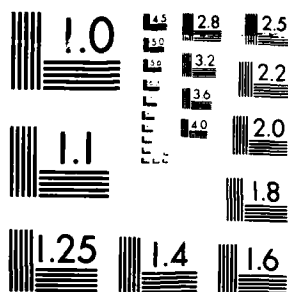
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SAN CLEMENTE ISLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

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AD-A150 383	DTIC ACCESSION NUMBER	<div style="border: 1px solid black; padding: 5px; font-size: 1.5em;">II</div> LEVEL	PHOTOGRAPH THIS SHEET	<div style="border: 1px solid black; padding: 5px; font-size: 1.5em;">1</div> INVENTORY																						
		<div style="font-size: 1.5em; font-family: cursive;">SMOS, San Clemente Island, Ca.</div> DOCUMENT IDENTIFICATION																								
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DISTRIBUTION STATEMENT																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;">ACCESSION FOR</td> </tr> <tr> <td style="padding: 2px;">NTIS</td> <td style="padding: 2px;">GRA&I <input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">DTIC</td> <td style="padding: 2px;">TAB <input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">UNANNOUNCED</td> <td style="padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="padding: 2px;">JUSTIFICATION</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> <tr> <td colspan="2" style="padding: 2px;">BY</td> </tr> <tr> <td colspan="2" style="padding: 2px;">DISTRIBUTION /</td> </tr> <tr> <td colspan="2" style="padding: 2px;">AVAILABILITY CODES</td> </tr> <tr> <td style="padding: 2px;">DIST</td> <td style="padding: 2px;">AVAIL AND/OR SPECIAL</td> </tr> <tr> <td style="padding: 2px; text-align: center; font-size: 1.5em;">A-1</td> <td style="padding: 2px;"></td> </tr> </table>					ACCESSION FOR		NTIS	GRA&I <input checked="" type="checkbox"/>	DTIC	TAB <input type="checkbox"/>	UNANNOUNCED	<input type="checkbox"/>	JUSTIFICATION				BY		DISTRIBUTION /		AVAILABILITY CODES		DIST	AVAIL AND/OR SPECIAL	A-1	
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UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) San Clemente Island		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE October 1983
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
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16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
93117		San Clemente Island, California		33°01' N		118°35' W		191		KNUC			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1.	Weather Service Office	Navy	1960	1961	33°01' N	118°35' W	175	Mercurial	Var				
2.	*Weather Service Office	"	1962	1966	"	"	168	"	"				
3.	Weather Service Office, Bldg 60001	"	1966	1976	"	"	**170	"	24				
4.	"	"	1966	1980	"	"	173	Aneroid	24				
4a.	"	"	1980		"	"	195	"	Var				
<p>* Aneroid barometer in use part of 1962. Mercurial being repaired.</p> <p>** Resurveyed height</p>													
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1.	Installed 1960	100 yards east of weather office	AN/UMQ-5C	RD-108B		1. Barograph (Marine) 2. Semi-auto met stn (3MQ-14B) 3. Ceiling light (ML-121) 4. Cloud height set (GMQ-13) 5. Theodolite (ML-474-GM) 6. Transmissometer (GMQ-10) (GMQ-10C)							
2.	UNK	900 feet north of bldg 60001	"	"	17'								
2a.	UNK	"	"	"	37'								

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Asheville, N. C.

CONTINUED ON REVERSE SIDE

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION: SAN CLEMENTE, CALIFORNIA YEARS: 63-74 MONTH: ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		25.7				25.7	32.6	23.0			41.3	470
FEB			25.2				25.2	33.8	21.5		.2	42.7	452
MAR		.6	26.7			.4	26.0	25.6	17.9			32.1	476
APR		.4	21.2				21.2	13.2	19.0			30.2	610
MAY		.2	15.7				16.7	3.7	33.8			45.0	577
JUN			17.3				17.3	40.4	35.7			50.8	510
JUL		.6	10.2				10.2	42.9	46.8			59.5	577
AUG		.4	6.7				6.6	31.9	45.0			52.9	577
SEP		1.2	13.4				13.0	34.1	43.2			53.1	577
OCT		1.1	12.7				12.7	34.1	39.7		.2	51.2	577
NOV		1.0	24.3		.2		24.3	34.4	25.4			44.7	577
DEC		.9	20.0		.2	.4	20.0	36.5	23.3			46.4	475
TOTALS		.5	16.3		.0	.1	16.3	33.5	31.4		.0	45.5	6011

YEARS

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MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		6.4				6.4	15.4	1.1			17.2	274
	04		6.3				6.3	15.1	.4			15.4	274
	12		5.3				5.3	16.9	1.7			17.9	281
	13		5.3				5.3	1.9	3.6			12.5	74
	14		5.3				5.3	4.2	4.6			12.5	113
	15		6.3				6.3	17.5	4.3			14.1	304
	16		6.1				6.1	11.3	2.7			11.6	274
	27		5.6				5.6	13.3	1.4			14.3	270
TOTALS			5.4				5.4	13.1	2.4			14.7	237

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YEARS

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WEATHER CONDITIONS

2
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HADLEY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	01		3.9				3.9	5.7	1.1			6.7	27
	04		4.7				4.7	7.5	1.1			8.5	27
	07		5.2				5.2	7.7	.7			7.7	27
	10		5.2				5.2	7.5	2.3			7.5	27
	13		4.9				4.9	7.7	1.3			4.2	27
	16		4.2				4.2	7.5	2.3			5.5	27
	19		4.3				4.3	7.5	1.1			5.2	27
	22		4.7				4.7	7.9	1.4			5.7	27
JUN	01		4.3				4.3	7.5	1.1			5.2	27
JULY	01		4.3				4.3	7.5	1.1			5.2	27
AUG	01		4.3				4.3	7.5	1.1			5.2	27
SEPT	01		4.3				4.3	7.5	1.1			5.2	27
OCT	01		4.3				4.3	7.5	1.1			5.2	27
NOV	01		4.3				4.3	7.5	1.1			5.2	27
DEC	01		4.3				4.3	7.5	1.1			5.2	27
TOTALS			4.3				4.3	7.5	1.4			5.4	2734

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4

WEATHER CONDITIONS

STATION

SAN CLEMENTE ISLAND, CALIFORNIA

75-82

YEARS

1975
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	01		1.9				1.9	10.4	5.2			15.6	21
	04		2.2				2.2	12.2	6.3			18.5	27
	07		2.7				2.7	11.0	5.3			18.2	24
	10		2.4				2.4	6.8	7.8			13.7	19
	13		2.0				2.0	1.7	9.2			10.2	14
	16		1.4				1.4	2.7	9.6			11.6	16
	19		2.2				2.2	4.6	7.4			11.0	15
	22		2.6				2.6	6.3	5.2			11.8	17
TOTALS			2.2				2.2	7.0	7.1			13.7	2250

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WEATHER CONDITIONS

1117 SAN CLEMENTE ISLAND, CALIFORNIA 73-92 JUN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	01		2.2				2.2	10.3	4.4			20.7	270
	04		2.2				2.2	14.5	4.1			22.6	270
	07		2.1				2.1	19.6	9.3			27.5	291
	10		2.1				2.1	9.3	15.1			22.3	291
	13		1.0				1.0	4.5	15.4			19.5	293
	16		.3				.3	2.7	15.5			17.5	291
	19							6.7	11.1			17.0	270
	22		1.1				1.1	12.6	8.1			20.0	270
TOTALS			1.4				1.4	11.3	10.5			20.9	2246

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WEATHER CONDITIONS

0117
STATION

SA. CLEMENTE ISLAND, CALIFORNIA

STATION NAME

73-02

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	01		1.6				1.6	22.2	5.7			26.4	270
	04		1.6				1.6	22.2	4.3			26.6	270
	07		1.6				1.6	23.7	7.7			30.7	300
	10		1.7				1.7	11.4	18.5			29.7	267
	13		.3				.3	4.3	18.4			22.4	194
	16							1.7	16.5			17.8	177
	19		.4				.4	5.7	12.4			17.7	270
	22		.7				.7	14.7	9.7			23.7	270
TOTALS			.6				.6	13.4	11.7			24.4	2320

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WEATHER CONDITIONS

1117
STATION

SAN CLEMENTE ISLAND, CALIFORNIA

STATION NAME

73-92

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	01		.7				.7	17.9	7.2			72.9	274
	04		1.4				1.4	21.9	7.9			26.9	274
	07		.7				.7	16.2	11.9			26.9	274
	10		1.9				1.9	9.9	16.2			23.9	274
	13		.3				.3	4.9	16.2			21.9	274
	16		.3				.3	4.9	13.4			19.1	274
	19		.4				.4	6.6	11.9			18.6	274
	22		.4				.4	13.8	13.4			21.9	274
TOTALS			.7				.7	12.4	12.1			72.3	2325

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WEATHER CONDITIONS

1117
STATIONSAN CLEMENTE ISLAND, CALIFORNIA
STATION NAME

73-72

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		2.2				2.2	22.6	5.7			27.6	272
	04	.4	1.4				1.8	24.4	5.0			26.7	276
	07		1.0				1.0	21.9	5.0			25.7	283
	10		.3				.3	13.1	12.4			25.2	305
	13		.7				.7	9.5	17.7			25.6	305
	16		1.0				1.0	9.2	13.2			21.1	304
	19		.4				.4	17.6	8.6			25.6	279
	22		.4				.4	10.7	6.1			25.1	279
TOTALS		.1	1.0				1.0	17.2	9.3			25.6	2333

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WEATHER CONDITIONS

1117
STATION

AN CLEMENTE ISLAND, CALIFORNIA

73-12

STATION NAME

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		1.6				1.6	17.2	3.7			20.5	244
	04		1.2				1.2	17.6	5.0			21.6	241
	07	.4	1.4				1.4	16.1	4.6			19.7	235
	10	.3	2.1				2.1	12.7	8.9			19.5	237
	13		1.7				1.7	9.6	9.6			17.5	231
	16	.3	2.1				2.1	7.2	8.6			15.4	222
	19		1.5				1.5	14.6	7.3			21.5	261
	22		1.5				1.5	16.2	3.1			19.3	259
TOTALS		.1	1.0				1.6	13.9	6.4			19.3	2167

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WEATHER CONDITIONS

STATION

SAN CLEMENTE ISLAND, CALIFORNIA

STATION NAME

1971

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	1		2.5				2.5	14.9	3.5			22.9	100
	2		1.5				3.5	21.3	2.5			22.5	100
	3		1.5				3.5	21.3	2.5			22.5	100
	4		2.5				2.5	15.2	6.5			24.5	100
	5		1.5				1.5	11.9	9.5			17.5	100
	6	0.5	3.5				1.5	1.5	7.5			14.5	100
	7		1.5				1.5	14.9	5.5			17.5	100
	8		1.5				3.5	1.5	2.5			17.5	100
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
TOTALS		0.5	2.5				2.5	14.9	5.5			19.5	2711

NAVWEASERVCOM

4

WEATHER CONDITIONS

STATION

ANACAPLES ISLAND, CALIFORNIA

73-77

YEARS

ALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL		5.8				5.8	18.1	2.8			14.7	2320
FEB			5.8				5.8	18.0	2.4			17.0	2180
MAR			4.8				4.8	8.7	1.4			6.4	2234
APR			1.2				2.2	2.1	7.1			13.7	2200
MAY			2.1				2.1	11.1	16.7			21.2	2317
JUN			1.4				1.4	11.3	13.8			20.5	2246
JUL			.7				.7	11.4	11.7			24.4	2332
AUG			.7				.7	12.4	12.1			22.3	2325
SEP		.2	1.7				1.7	16.1	10.4			24.2	2247
OCT		.1	1.1				1.0	17.2	5.3			25.6	2237
NOV		.1	1.7				1.5	13.9	6.4			19.3	2167
DEC		.0	2.5				2.5	15.0	5.7			19.6	2301
TOTALS		.0	2.5				2.5	12.6	7.4			19.0	23347

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

117 1000 MONTE DELA, CALIFORNIA JANUA 1971-DECEMBER 1982 JANUARY ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIL	THUNDER	ALL WIND	SEVERE WIND HAIL	STORM HAIL	BLUING WIND	BLUING HAIL	ALL WEATHER
N	0	0							7.4	4.4	3.7			15.5
NNE	0								5.4	3.7	5.4			14.5
NE									13.7	3.7	3.7			21.1
ENE									0.6	1.4	3.6			5.6
E		1.4							7.3	2.5	2.5			12.3
ESE	0	2.5							1.4	2.5	1.4			5.3
SE	7.4		1.4						1.2					9.0
SSE	7.4	7.4	3.9						11.8	2.6				17.8
S	0	2.6	2.6						15.7	1.4	2.6			21.7
SSW	0	2.6	2.1						26.8	4.3	2.1			35.2
SW	0	2.6	0.9						20.0	3.5	0.9			24.4
WSW	0	0	1.4						10.7	1.4	1.4			13.5
W	2.6	2.6	2.4						15.3	0.9	4.3			20.5
WNW	0	0.4	2.4						0.3		0.3			1.0
NW		1.4	1.4						0.6	0.3	2.5			3.4
NNW	0								0.6	1.4	0.3			2.3
VARIABLE									7.4	1.4	0.3			9.1
CALM									7.4	1.4	0.3			9.1
TOTAL		32	29						242	41	6.1			289
% TOTAL	0.1	1.4	1.2						11.3	1.4	2.1			17.2

TOTAL NUMBER OF OBSERVATIONS 1,372

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

117

AN CLEMENTE ISLAND, CALIFORNIA

JANUARY 1973-DECEMBER 1992

FEBRUARY

ALL

STATION

STATION NAME

YEAR

MONTH

ALL DATA

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									6.3	4.2	5.2			55.4
NNE										2.8	2.4			58.4
NE									7.4	11.1				41.5
ENE									10.3		3.4			46.7
E	6.0		2.9						1.9	1.0	3.9			56.7
ESE	1.0	1.3	1.3						10.0		3.8			43.5
SE	1.3	6.8	1.7						13.6	1.7	1.7			62.7
SSE	1.0	5.7	1.0						13.2	3.8	3.4			67.5
S	1.0	4.4	4.4						22.9	1.1	1.1			65.0
SSW	1.0	1.5	1.5						20.3	2.2	1.5			67.9
SW	2.0	.9	3.7						24.3	3.7	4.7			64.5
WSW	1.1	1.4	3.6						23.6	2.1	2.0			63.0
W	.7	1.1	2.6						13.1	.7	2.2			83.6
WNW			1.4						6.3	1.4	1.5			63.0
NW									1.0	.5	1.0			92.5
NNW									7.2		6.2			88.7
VARIABLE														
CALM									12.4	4.6	1.3			80.7
TOTAL	1.0	24	37						274	44	52			1707
% TOTAL	1.0	1.1	1.7						12.9	2.1	2.4			80.5

TOTAL NUMBER OF OBSERVATIONS 1,124

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION ANACAPETE ISLAND, CALIFORNIA DATE JANUARY 1973-DECEMBER 1982 MONTH ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE AND GROUND FROG	SMOKE HAZE	BLINDING SMOG	EXCESSIVE RAIN AND WIND	UN- USUAL WEATHER
N										1.3	1.3			97.8
NNE	4.0									4.0				91.7
NE											4.3			95.7
ENE		4.0							4.0					91.0
E	1.0	3.6	1.0						3.1		1.0			91.0
ESE	.1	2.6	2.6						2.6					94.7
SE		4.3							4.3					91.0
SSE	1.0	10.5	2.6						10.2	2.6	2.6			91.0
S	0.0	4.8	3.4						17.0	2.7	2.0			71.4
SSW	5.7	.9	1.6						1.6		4.1			70.0
SW	1.0	1.6	2.8						2.7	1.0	2.8			90.0
WSW	3.0	2.7	.9						1.3	.8	3.6			94.0
W	1.2	.7	.2						2.1	.4	1.0			98.4
WNW	1.7	1.2	.8						1.4		.5			90.0
NW	1.0	1.6	.4						.0		.0			90.0
NNW	.0	1.6							2.4		.0			90.0
VARIABLE														
CALM	1.4								4.0	1.1	.5			92.7
TOTAL	1.0	39	21						1.2	14	32			91.0
% TOTAL	.2	1.7	.9						4.4	.6	1.4			9.0

TOTAL NUMBER OF OBSERVATIONS 1,370

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

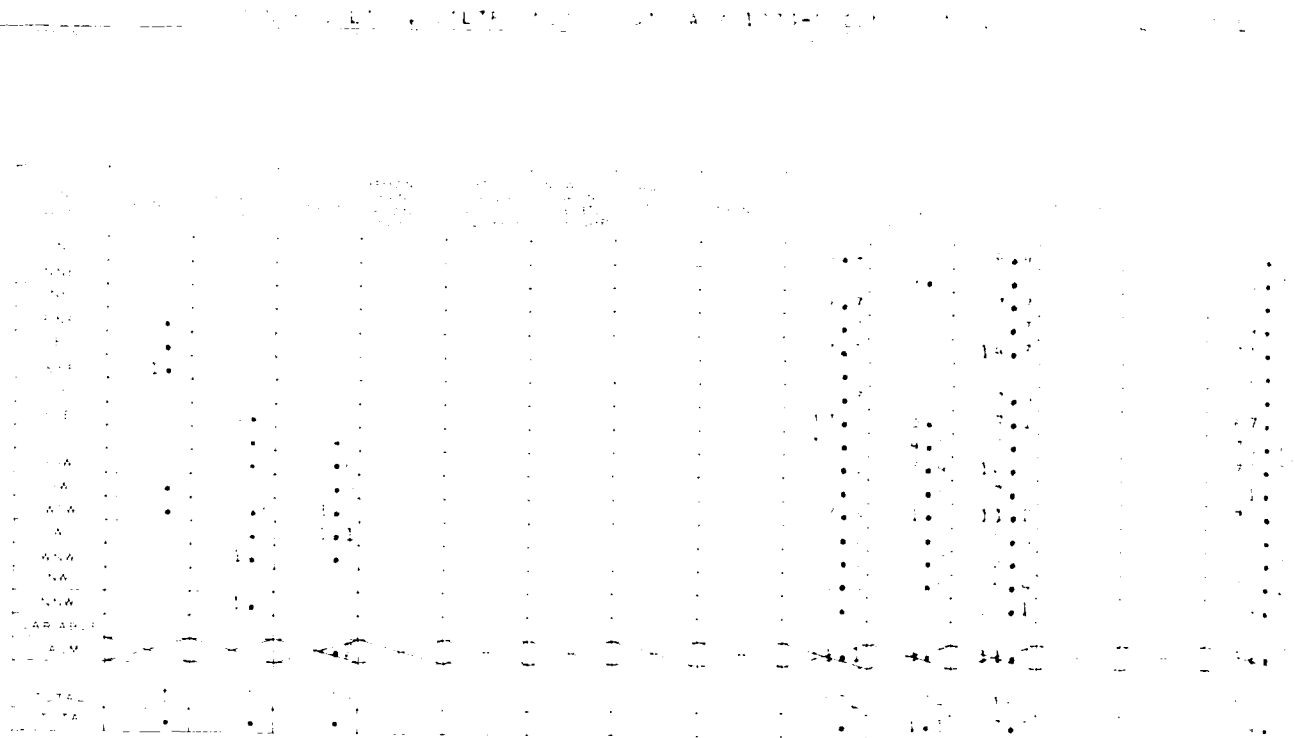
STATION NAME: AN KLEMENTE ISLAND, CALIFORNIA JANUARY 1973-DECEMBER 1982 MONTH: APRIL YEAR: 1981

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIL	THUNDER	FOG	DE FOG GROUND FOG	SMOKE HAZE	BLOWING SMOKE	BLUISH SMOKE	OTHER
N									4.4		8.4			12.8
NNE										4.1	9.5			13.6
NE									7.7		7.7			15.4
ENE									5.7		5.7			11.4
E	7.1								7.1		14.3			21.4
ESE	1.1								5.9					12.4
SE									7.3		27.3			34.6
SSE		3.2							17.7	3.6	7.1			28.4
S		.9	.9						1.3	4.5	7.1			13.8
SSW		.8	.8						7.6	3.4	10.1			21.1
SW	.7		.6						7.5	.8	7.5			15.8
WSW	1.1	.6	1.5						7.8	1.8	11.2			20.8
W		.7	1.1						6.2	.5	5.3			12.0
WNW		1.2	.8						2.5	.2	2.7			5.4
NW									1.0	.6	6.4			8.0
NNW		1.4									10.1			11.5
VARIABLE														
CALM									11.1	4.1	11.1			26.3
TOTAL	14	10	19						172	74	161			407
TOTAL		.8	.8						5.5	1.1	7.1			13.4

TOTAL NUMBER OF OBSERVATIONS 7,271

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

4

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME: SAN CLEMENTE ISLAND, CALIFORNIA DATE: JANUARY 1973-DECEMBER 1982 MONTH: JULY YEAR: 1981

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HALE SMALL HAIR	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLUING SNOW	OTHER WEATHER
N									4.3		4.3			61.7
NNE									10.7					61.7
NE											25.7			75.0
ENE									5.5		14.3			57.1
E									21.0	2.4	11.9			61.6
ESE									27.3		22.7			50.0
SE		1.1							11.1		11.1			66.7
SSE									22.2		5.6			72.2
S			.7						15.8		15.6			66.4
SSW		.1	1.2						17.5	.6	13.2			67.7
SW			.5						14.1		12.5			74.4
WSW			1.9						10.0		10.0			75.4
W	.1		1.4						7.5		8.8			63.0
WNW			.6						5.3		9.0			66.5
NW									6.1	1.3	17.1			63.0
NNW									11.1		14.8			77.5
VARIABLE														
CALM			4.5						2.2	2.7	11.0			50.0
TOTAL		2	26						245	6	236			176.3
% TOTAL		.1	1.2						11.0	.3	10.5			75.5

TOTAL NUMBER OF OBSERVATIONS 7,241

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 117 NAME A CLEMENTE ISLAND, CALIFORNIA PERIOD JANUARY 1971-DECEMBER 1982 MONTH JULY YEAR 81

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREIZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N									7.4		18.8			74.1
NNE											37.5			62.5
NE														100.0
ENE											20.8			80.8
E									77.8		5.6			66.7
ESE	1.7								61.5		7.7			70.5
SE	1.7								73.3					66.7
SSE									15.7	8.3				75.0
S			.7						77.0	1.4	15.9			57.4
SSW									13.5	1.4	16.6			63.9
SW									11.2		13.7			76.1
WSW			1.1						11.4	.5	9.6			77.0
W	.1		.7						9.8	.5	17.7			77.0
WNW			1.1						7.4		1.3			61.7
NW									1.3		9.3			11.4
NNW			.3								21.7			73.3
VARIABLE														
CALM									24.4	3.8	9.1			61.7
TOTAL			18						291	17	275			174.5
% TOTAL	.1		.8						12.5	.7	11.9			75.0

TOTAL NUMBER OF OBSERVATIONS 1,321

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17 ANACAPETE ISLAND, CALIFORNIA JANUARY 1971-01 DECEMBER 1982 420

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS OR CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAZ MIST FOG	THUNDER	WINDY CALM	WINDY CALM	WINDY CALM	WINDY CALM	WINDY CALM	WINDY CALM
N		15.0								5.0		25.0		55.0
NNE		25.0								5.0		25.0		55.0
NE										5.0		25.0		55.0
ENE		12.0								5.0		12.0		37.0
E		5.6								22.2		33.3		44.4
ESE		11.1								11.1		44.4		44.4
SE														50.0
SSE										5.0				75.0
S			.1							14.5		14.1		75.0
SSW			.6							5.0		14.1		75.0
SW										7.9		14.4		74.1
WSW			.3							10.3	.3	9.9		70.0
W			.4							1.4	.1	9.0		70.0
WNW										5.0	.6	11.5		72.0
NW			1.4							1.7		9.9		75.0
NNW										3.6		21.4		75.0
VARIABLE														
CALM										24.2	2.7	24.5		54.7
TOTAL		7	9							27.8	3	24.4		100
% TOTAL		.3	.3							1.0	.3	12.3		47.7

TOTAL NUMBER OF OBSERVATIONS 420

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1. COLUMBIA ISLAND, CALIF. 1917 JANUARY 1973-DECEMBER 1982 157,247 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING TRIZZLE	SLUSHY SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAZE SMOG FOG	THUNDER	ICE ON GROUND	ICE ON ROAD	SMOKE HAZE	BLOWING SNOW	BLOWING RAIN AND SNOW	% WEATHER
N									2.4		11.9			25.7
NNE									1.5		41.7			44.8
NE														100.0
ENE	1.3								11.0		4.5			7.7
E									10.0	2.1	12.5			67.0
ESE		2.2	1.2						1.0		0.7			71.0
SE									11.1		15.0			43.0
SSE									11.1					58.9
S			1.2					.7	24.7	.7	7.4			41.0
SSW			1.4					.7	11.7		12.4			77.0
SW			.5						17.6		12.1			74.0
WSW		.4	1.1					.4	26.2	.4	11.4			44.4
W			.1						1.2	.2	11.2			75.1
WNW			1.1					.1	15.1	.3	5.3			75.0
NW									11.9	.0	10.1			73.6
NNW	1.0								1.7	1.4	11.0			91.0
VARIABLE														
ALM			1.6						14.4		14.2			75.7
TOTAL	1	2	2					4	350	4	237			15.7
TOTAL	.1	.1	1.0					.2	15.6	.4	10.5			74.7

TOTAL NUMBER OF OBSERVATIONS 157,247

NAVWEASERVCOM

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5. **VARIABLES**

• 333

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION: A. CLEMENTE ISLAND, CALIFORNIA JANUARY 1973-DECEMBER 1982 NAME: ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIL	THUNDER	FOG	ICE FROST GROUND FROG	SUNNY HAZE	SCATTERED CLOUDS	BLUISH AND OTHER	% TOTAL
N	1.0								7.1	2.0	6.1			62.3
NNE									11.6	2.0	7.1			73.5
NE									10.7		19.7			73.5
ENE									7.2		6.5			11.0
E									6.3	2.6	3.9			89.5
ESE	1.7								6.6		6.7			86.7
SE	6.0								13.4		2.6			70.9
SSE									11.9	2.4	2.4			63.5
S	0.1	2.2	1.5						10.1	2.2	6.6			72.1
SSW			1.7						27.5	0.9	7.8			65.2
SW	1.0	0.9	0.9						21.7	0.9	14.2			50.3
WSW		0.7							0.4	1.6	8.6			73.7
W	0.1	1.7	0.8						1.0	0.9	5.5			77.0
WNW			0.3						1.0	1.3	0.6			83.4
NW		0.1	1.5					0.5	0.7		8.6			85.7
NNW			0.7					0.7	11.4		4.0			81.2
VARIABLE									0.4	10.1	1.3	2.6		94.4
CALM														
TOTAL		14	13					3	274	27	142			1725
% TOTAL	0.2	0.6	0.6					0.1	12.7	1.1	6.5			79.6

TOTAL NUMBER OF OBSERVATIONS 2,151

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

ALBUQUERQUE, NEW MEXICO JANUARY 1973-DECEMBER 1982 ALL

WIND DIRECTION	RAIN	RAIN CLOUDS	DRIZZLE	ADVECTING RAIN PRECIPITATION TRAILS	THUNDER STORMS	WINDY PELLETS THUNDER	HAZAR SMALL WIND	THUNDER	FOG	DEAD GROUND FLOOD	SMOKE MADE	WINDY WIND	WINDY WIND
N									1.0		9.0		7.0
NNF									1.0	2.0	4.1		67.7
NE	1.0	1.4							1.0		2.7		71.0
ENE	1.0	1.0							1.0	1.0	7.3		68.0
E	1.0	0.9	0.9						1.0	0.9	4.5		72.7
ESE	1.0	2.0							14.7	2.0	1.0		7.0
SE	1.0	1.0							1.0	1.0			75.0
SSE	1.0		0.2						1.0	0.2	4.7		67.0
S	0.4	1.7	0.4						1.0	1.7	2.3		75.0
SSW	1.0		1.7						1.0	2.0	1.7		74.0
SW	1.0	0.1	0.1						1.0	2.0	2.7		67.0
WSW	1.0	0.4	0.4						1.0	0.4	6.7		71.0
W	1.0	0.4	0.4						1.0	0.4	6.6		71.0
WNW	1.0	0.1	0.1						1.0	1.7	4.2		64.0
NW	1.0		1.0						1.0	0.1	2.0		67.0
NNW	1.0								0.5	0.1	0.1		60.0
VARIABLE									1.0	0.1	0.4		32.0
CALM									1.0	0.1	0.4		32.0
TOTAL		15	17					1	324	4	116		1.0
TOTAL	1.0	0.6	0.7					0.0	1.0	2.1	4.0		7.0

TOTAL NUMBER OF OBSERVATIONS 2,373

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

ANACAPTA ISLAND, CALIFORNIA

JANUARY

1973-1974 COMBINED

ALL

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRANULES PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SMOG	BLUISH SMOG	% OBSERVATIONS
N	.0	.0	.0	.0	.0	.0	.0	.0	7.0	1.0	5.0	.0	.0	22.0
NNE	1.0	.3	.0	.0	.0	.0	.0	.0	5.0	2.0	5.1	.0	.0	31.0
NE	.0	.4	.0	.0	.0	.0	.0	.0	1.0	1.1	4.4	.0	.0	43.0
ENE	1.0	.0	.3	.0	.0	.0	.0	.0	5.0	1.2	4.6	.0	.0	18.0
E	1.1	.0	.7	.0	.0	.0	.0	.0	.4	1.6	7.3	.0	.0	7.0
ESE	.0	1.7	.6	.0	.0	.0	.0	.0	11.0	1.0	6.4	.0	.0	77.0
SE	.0	2.1	.5	.0	.0	.0	.0	.0	12.0	1.2	3.0	.0	.0	77.0
SSE	.0	2.1	1.6	.0	.0	.0	.0	.0	14.1	4.3	2.9	.0	.0	71.0
S	.0	1.0	2.2	.0	.0	.0	.0	.1	17.3	1.4	7.4	.0	.0	62.0
SSW	.0	.5	1.3	.0	.0	.0	.0	.1	1.3	1.6	11.3	.0	.0	45.0
SW	1.2	.4	1.0	.0	.0	.0	.0	.1	14.7	.0	11.0	.0	.0	75.0
WSW	.0	.4	1.3	.0	.0	.0	.0	.0	14.5	.6	9.2	.0	.0	55.7
W	.0	.4	.9	.0	.0	.0	.0	.0	9.0	.4	7.7	.0	.0	35.0
WNW	.0	.4	.0	.0	.0	.0	.0	.0	7.2	.5	5.5	.0	.0	4.7
NW	.0	.4	.7	.0	.0	.0	.0	.1	7.5	.5	5.1	.0	.0	7.0
NNW	.0	.3	.3	.0	.0	.0	.0	.1	.0	.0	5.9	.0	.0	2.2
VARIABLE														
CALM														
TOTAL		1.5	2.1						71.7	2.9	20.4			17.0
% TOTAL		.0	.0	1.0				.0	11.4	1.1	7.5			7.0

TOTAL NUMBER OF OBSERVATIONS

77,347

NAVWEASERVCOM

NOCD, Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-4	5-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.	1.	.	4.	4.	7.	8.	1.	.	.	.	.	21.7	177	1.79	4.4	.
FEB	.	.	1.	.	7.	7.	7.	4.	.	.	.	.	.	11.7	177	1.17	4.1	.
MAR	7.	7.	7.	1.	.	.	.	.	.	11.7	177	1.14	3.7	.
APR	.	.	1.	1.	1.	7.	.	4.	.	.	.	.	.	11.7	177	.	1.	.
MAY	.	1.	.	1.	1.	7.	.	.	.	.	.	.	.	.	177	1.1	1.7	.
JUN	.	1.	.	1.	.	7.	.	.	.	.	.	.	.	.	177	.	.	.
JUL	.	.	7.	.	.	.	.	.	.	.	.	.	.	1.	177	.	.	.
AUG	.	.	7.	.	.	.	.	.	.	.	.	.	.	7.	177	1.7	.	.
SEP	.	.	.	4.	.	7.	.	7.	.	.	.	.	.	7.	177	1.7	1.	.
OCT	.	.	1.	1.	7.	7.	.	.	.	.	.	.	.	4.	177	.	.	.
NOV	.	.	1.	7.	1.	1.	1.	1.	7.	.	.	.	.	11.7	177	1.4	1.	.
DEC	.	4.	1.	7.	7.	1.	1.	1.	.	.	.	.	.	11.7	177	1.7	1.	.
ANNUAL	.	.	1.	7.	1.	1.	1.	7.	.	.	.	.	.	11.7	177	1.7	1.	.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	2001-5000	OVER 5000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-34	35-254	255-504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-30	31-48	49-60	61-70	OVER 70						
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
ANNUAL

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION		STATION NAME															YEARS				
		AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
PRECIP	NONE	TRACE	0	02 05	06 10	11 25	26 30	31 100	101 2 50	2 51 5 00	5 01 10 00	10 01 20 00	20 01 20 00	OVER 20 00	MEAN	GREATEST			LEAST		
SNOWFALL	NONE	TRACE	0	0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4							
SNOW DEPTH	NONE	TRACE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
JAN																					
FEB																					
MAR																					
APR																					
MAY																					
JUN																					
JUL																					
AUG																					
SEP																					
OCT																					
NOV																					
DEC																					
ANNUAL																					

EXTREME VALUES

100 100 100 100 100 100 100 100 100 100

STATION NAME

YEARS

[illegible]

C

NAVAL WEATHER SERVICE DETACHMENT
 ASHEVILLE NORTH CAROLINA

EXTREME VALUES

STATION NAME
 YEARS

DATE

STATION NAME

YEARS

NAVAL WEATHER SERVICE DETACHMENT
 ASHEVILLE NORTH CAROLINA

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	NO. OF OBSERVATIONS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
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85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
STDEV													
TOTAL OBS													

SVOS

EXTREME VALUES

References

STATION NAME

7445

[illegible]

5705

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

IN FILE
FROM DAILY OBSERVATIONS

STATION NAME: ASHEVILLE, NORTH CAROLINA

62-67

YEARS

24 HRS. AMOUNTS IN INCHES
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1												0.0	NO RECORD
2												0.0	NO RECORD
3												0.0	NO RECORD
4												0.0	NO RECORD
5												0.0	NO RECORD
6												0.0	NO RECORD
7												0.0	NO RECORD
8												0.0	NO RECORD
9												0.0	NO RECORD
10												0.0	NO RECORD
11												0.0	NO RECORD
12												0.0	NO RECORD
13												0.0	NO RECORD
14												0.0	NO RECORD
15												0.0	NO RECORD
16												0.0	NO RECORD
17												0.0	NO RECORD
18												0.0	NO RECORD
19												0.0	NO RECORD
20												0.0	NO RECORD
21												0.0	NO RECORD
22												0.0	NO RECORD
23												0.0	NO RECORD
24												0.0	NO RECORD
25												0.0	NO RECORD
26												0.0	NO RECORD
27												0.0	NO RECORD
28												0.0	NO RECORD
29												0.0	NO RECORD
30												0.0	NO RECORD
31												0.0	NO RECORD
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

UNIT: FEET
FROM DAILY OBSERVATIONS

STATION: ASHEVILLE, NORTH CAROLINA STATION NAME: ASHEVILLE, NORTH CAROLINA YEARS: 1951-1959

DAILY LOW WIND SPEED IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1951										0	0		
1952										0	0		
1953										0	0		
1954										0	0		
1955										0	0		
1956										0	0		
1957										0	0		
1958										0	0		
1959										0	0		
MEAN													
S.D.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL OBS	373	373	373	373	373	373	373	373	373	373	373	373	6448

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO. DEPTH
FROM DAILY OBSERVATIONS

STATION ASHEVILLE, CALIFORNIA STATION NAME ASHEVILLE YEARS

DAILY SNO. DEPTH IN INCHES
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1												14	NOV. 14
2												14	NOV. 14
3												14	NOV. 14
4	22											14	NOV. 14
5	1												NOV. 14
6												10	NOV. 10
7												10	NOV. 10
8													NOV. 10
9												24	NOV. 24
10	27												NOV. 27
11		14	11	23	6	14	17	4	21	9	14	14	NOV. 14
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S D													
TOTAL OBS													

SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME: NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NORTH CAROLINA

1941-1977

STATION

STATION NAME

YEARS

PRECIPITATION

PRECIPITATION

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		1967			
2	0.14		1977			
3	0.14		1977			
4	0.14		1977			
5	0.14		1977			
6	0.14		1977			
7	0.14		1977			
8	0.14		1977			
9	0.14		1977			
10	0.14		1977			
11	0.14		1977			
12	0.14		1977			
13	0.14		1977			
14	0.14		1977			
15	0.14		1977			
16	0.14		1977			
17	0.14		1977			
18	0.14		1977			
19	0.14		1977			
20	0.14		1977			
21	0.14		1977			
22	0.14		1977			
23	0.14		1977			
24	0.14		1977			
25	0.14		1977			
26	0.14		1977			
27	0.14		1977			
28	0.14		1977			
29	0.14		1977			
30	0.14		1977			
31	0.14		1977			
Monthly	0.14		1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.14		1977			
2	0.14		1977			
3	0.14		1977			
4	0.14		1977			
5	0.14		1977			
6	0.14		1977			
7	0.14		1977			
8	0.14		1977			
9	0.14		1977			
10	0.14		1977			
11	0.14		1977			
12	0.14		1977			
13	0.14		1977			
14	0.14		1977			
15	0.14		1977			
16	0.14		1977			
17	0.14		1977			
18	0.14		1977			
19	0.14		1977			
20	0.14		1977			
21	0.14		1977			
22	0.14		1977			
23	0.14		1977			
24	0.14		1977			
25	0.14		1977			
26	0.14		1977			
27	0.14		1977			
28	0.14		1977			
29	0.14		1977			
30	0.14		1977			
31	0.14		1977			
Monthly	0.14		1977			

DIRNAVOCEANMET-SMOS

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NUMBER: 14150000
STATION NAME: ASHEVILLE, NORTH CAROLINA

1964-1975

YEARS

PRECIPITATION
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.5	12	1972			
2	0.1	10	1971			
3	0.1	2	1973			
4	0.1	2	1971			
5	0.6	14	1975			
6	0.1	2	1950			
7	0.3	5	1970			
8	0.1	5	1971			
9	0.1	2	1973			
10	0.3	1	1971			
11	0.1	2	1963			
12	0.1	4	1972			
13	0.1	5	1964			
14	0.1	1	1966			
15	0.1	1	1961			
16	0.1	12	1977			
17	0.1	4	1970			
18	0.1	1	1970			
19	0.1	1	1961			
20	0.7	18	1970			
21	0.1	10	1963			
22	0.1	4	1964			
23	0.1	1	1970			
24	0.1	4	1977			
25	0.1	7	1961			
26	0.1	2	1974			
27	0.1	13	1970			
28	0.1	14	1973			
29	0.1	1	1970			
30	0.1	10	1973			
31	0.1	22	1965			
Monthly	0.1	41	1971			

PRECIPITATION
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	23	1966			
2	0.1	3	1969			
3	0.4	10	1966			
4	0.1	0	1966			
5	0.1	4	1975			
6	0.1	4	1973			
7	0.1	3	1973			
8	0.1	56	1975			
9	0.1	2	1965			
10	0.1	2	1965			
11	0.1	1	1963			
12	0.1	5	1976			
13	0.1	1	1974			
14	0.1	12	1971			
15	0.1	4	1973			
16	0.1	5	1975			
17	0.1	5	1961			
18	0.1	3	1967			
19	0.1	3	1964			
20	0.1	2	1967			
21	0.1	2	1967			
22	0.1	2	1960			
23	0.1	1	1974			
24	0.1	4	1974			
25	0.1	1	1970			
26	0.1	1	1963			
27	0.1	1	1970			
28	0.1	20	1950			
29	0.1	1	1967			
30	0.1	1	1964			
31	0.1	1	1964			
Monthly	0.1	52	1975			

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATE: CALIFORNIA STATION NAME:
 MONTH:
 YEAR: 1977

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1			10-10			
2			10-11			
3			10-12			
4			10-13			
5			10-14			
6	.1		10-15			
7	.1		10-16			
8	.1		10-17			
9	.1		10-18			
10	.1		10-19			
11	.1		10-20			
12	.1		10-21			
13	.1		10-22			
14	.1		10-23			
15	.1		10-24			
16	.1		10-25			
17	.1		10-26			
18	.1		10-27			
19	.1		10-28			
20	.1		10-29			
21	.1		10-30			
22	.1		10-31			
23	.1		10-32			
24	.1		10-33			
25	.1		10-34			
26	.1		10-35			
27	.1		10-36			
28	.1		10-37			
29	.1		10-38			
30	.1		10-39			
31	.1		10-40			
Monthly	.1		10-41			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1			10-10			
2			10-11			
3			10-12			
4			10-13			
5			10-14			
6			10-15			
7			10-16			
8			10-17			
9			10-18			
10	.1		10-19			
11	.1		10-20			
12	.1		10-21			
13	.1		10-22			
14	.1		10-23			
15	.1		10-24			
16	.1		10-25			
17	.1		10-26			
18	.1		10-27			
19	.1		10-28			
20	.1		10-29			
21	.1		10-30			
22	.1		10-31			
23	.1		10-32			
24	.1		10-33			
25	.1		10-34			
26	.1		10-35			
27	.1		10-36			
28	.1		10-37			
29	.1		10-38			
30	.1		10-39			
31	.1		10-40			
Monthly	.1		10-41			

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

U.S. WEATHER SERVICE DETACHMENT
 10001 AVENUE NORTH CAROLINA

DAILY EXTREME AMOUNTS

10001 AVENUE NORTH CAROLINA
 STATION NAME

1967-1977
 YEARS

JULY
 MONTH

	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T		1967			
2	T		1967			
3	T		1967			
4	T		1967			
5	T		1967			
6	T		1967			
7	T		1967			
8	T		1967			
9	T		1967			
10	T		1967			
11	T		1967			
12	T		1967			
13	T		1967			
14	T		1967			
15	T		1967			
16	T		1967			
17	T		1967			
18	T		1967			
19	T		1967			
20	T		1967			
21	T		1967			
22	T		1967			
23	T		1967			
24	T		1967			
25	T		1967			
26	T		1967			
27	T		1967			
28	T		1967			
29	T		1967			
30	T		1967			
31	T		1967			
Monthly	T		1967			

AUGUST
 MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2	T		1967			
3	T		1967			
4	T		1967			
5	T		1967			
6	T		1967			
7	T		1967			
8						
9						
10	T		1967			
11	T		1967			
12	T		1967			
13						
14	T		1967			
15	T		1967			
16	6.44	12	1967			
17	2.2	51	1967			
18	6.21		1967			
19	T		1967			
20	T		1967			
21						
22						
23						
24						
25						
26						
27						
28						
29	T		1967			
30	T		1967			
31	T		1967			
Monthly	2.72	51	1967			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME
ASHEVILLE, NORTH CAROLINA

YEARS

PRECIPITATION
GREATEST

PRECIPITATION
GREATEST

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

* ALSO ON EARLIER YEARS

T - TRACE - AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

H
4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME: ASHEVILLE, NORTH CAROLINA YEARS: 1964-1974

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		1 1964			
2			2 1964			
3	0.1		3 1964			
4	0.1		4 1964			
5	0.1		5 1964			
6	0.2		6 1964			
7	0.1		7 1964			
8	0.1		8 1964			
9	1.0		9 1964			
10	0.1		10 1964			
11	0.1		11 1964			
12	0.1		12 1964			
13	0.1		13 1964			
14	0.1		14 1964			
15	0.1		15 1964			
16	0.1		16 1964			
17	0.1		17 1964			
18	0.1		18 1964			
19	0.1		19 1964			
20	0.2		20 1964			
21	0.1		21 1964			
22	0.1		22 1964			
23	0.1		23 1964			
24	0.1		24 1964			
25	0.1		25 1964			
26	0.1		26 1964			
27	0.1		27 1964			
28	0.1		28 1964			
29	0.1		29 1964			
30	0.1		30 1964			
31						
Monthly	0.1					

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		1 1965			
2	0.1		2 1965			
3	0.1		3 1965			
4	1.0		4 1965			
5	0.1		5 1965			
6	0.1		6 1965			
7	0.1		7 1965			
8	0.1		8 1965			
9	0.1		9 1965			
10	0.2		10 1965			
11	0.1		11 1965			
12	0.1		12 1965			
13	0.2		13 1965			
14	0.1		14 1965			
15	0.1		15 1965			
16	0.1		16 1965			
17	0.1		17 1965			
18	0.1		18 1965			
19	0.1		19 1965			
20	0.1		20 1965			
21	0.1		21 1965			
22	0.1		22 1965			
23	0.1		23 1965			
24	0.1		24 1965			
25	0.1		25 1965			
26	0.1		26 1965			
27	0.1		27 1965			
28	0.1		28 1965			
29	0.1		29 1965			
30	0.1		30 1965			
31	0.1		31 1965			
Monthly	0.1					

* ALSO ON EARLIER YEARS
T - TRACE - AN AMOUNT TOO SMALL TO MEASURE
B - BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

At a will, 11-1-1

PART C

SURFACE WINDS

The data in this part are surface wind data as follows:

- a. Extreme Values - Peak Gusts: Derived from daily observation and presented by individual year and month. For the entire period of record available, speed are presented in knots, while directions are given in 16 compass points from the beginning of record through 1949, and in terms of degree starting in January, 1950. For 24 hours of the daily observations of peak gust wind data are available for a month, the extreme is observed and given. These values are then used to compute mean and standard deviations for the entire period. Every month for a year must have valid observations present before the ALL MONTHS value is selected for that year. Mean and standard deviations are computed when four or more values are present for any month. A supplementary list of peak gusts by year-month with a 24 hour observation reported is also provided.

b. Hourly Average: Circular N specifications, peak gust data are recorded only at stations with continuous observation of wind-speed recorder.

- c. Hourly percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of 1 knot for classification. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. If these data were light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARIABLE.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all years combined
- (2) By month - all years combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVY WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

STATION

STATION NAME

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
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89												
90												
91												
92												
93												
94												
95												
96												
97												
98												
99												
100												

STATION

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION

STATION NAME

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
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13												
14												
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81												
82												
83												
84												
85												
86												
87												
88												
89												
90												
91												
92												
93												
94												
95												
96												
97												
98												
99												
100												

STATION

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NAME YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MEAN													
S.D.													
TOTAL OBS.													

SNOS



4

(REVISED)

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHFORD, VT

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
N E													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEAR: 1961 MONTH: 12

CLASS: 100 HOURS: 151

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM
	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	NOV 1951
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL												.
CALM												.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1961-1962

CLASS: 1000

CONDITION: 1000

STATION: 1000 MONTH: 1000

HOURLY: 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS: 1000

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CORRECTION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: COAST GUARD STATION, CALIFORNIA YEARS: 1954 MONTH: 12
 CLASS: 1 HOURS: 15
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	.									.	.
NNE
NE	.	1.	.									.	.
ENE
E	.	.	1.	.								.	.
ESE	.	1.	.	.	.							.	.
SE	.	1.	.	.	.							.	.
SSE
S	.	.	1.	1.	.							.	.
SSW
SW	.	.	1.	.	.							.	.
WSW	.	1.	1.	1.	.							.	.
W
WNW						1.	.
NW	.	.	.	1.	.	.						.	.
NNW	.	.	1.	.	.	.						.	.
VARBL													.
CALM													.
	.	.	1.	1.	.	.						.	.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

FORM 14-72

1175

NAVAL WEATHER SERVICE
DETACHMENT 11
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

2

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVY WEATHER SERVICE
U.S. NAVY
ATLANTIC OCEAN

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOUR _____
 CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

DATE

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

STATION NAME

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEAR

MONTH

CLASS

NUMBER OF

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
 JEFFERSON
 WASHINGTON

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
STATION FORM
NO. 1-61 (REV. 1-61)

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE
NE		.										.	.
ENE	.											.	.
E
ESE	
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
118 TWENTY ST
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE												.	.
E	
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC, CALIFORNIA YEARS: 1951-1952 MONTH: 1

CLASS: 1

CONDITION: 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.0	4.7	17.6	17.6	0	1.0	0	0	0	0	0	1.0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

177

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
ATTACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM
	11.	.	2.	1-7	.	1.	.	.	.	.	.	1.	.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

CONDITION

NOBS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVY AIRCRAFT OBSERVATION
 REPORT FORM
 1-1-60

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
 CLASS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

*EARS

[illegible]

C. A. B. S.

NDNR5 5 7

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS.)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTHS
	CLASS		
	COMPOSITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

FARE

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMC

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMCIS

NATIONAL WEATHER SERVICE
OCEANOGRAPHIC DATA CENTER
ATLANTIC OCEAN

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MCN ?

CLASS

HOURS : 5 T

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
STATION NAME
ADRIANVILLE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		MOUSE
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER BUREAU
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS OF SET _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
 WASHINGTON, D. C.
 20340-5000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

4

NAVAL WEATHER SERVICE
U.S. NAVY
ATLANTIC OCEAN

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
THE DEPARTMENT
OF THE ARMY

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

NUMBER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

WINDS

CONDITION

SPEED (KNTS) Dir	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	WIND WAVE WIND
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____
 CLASS _____
 CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALV												

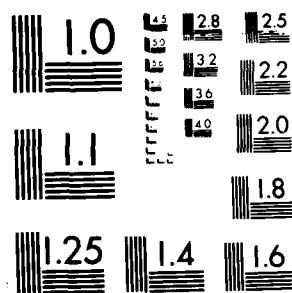
TOTAL NUMBER OF OBSERVATIONS

SMOOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SAN CLEMENTE ISLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

4

74546 542

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: NAVAL WEATHER SERVICE, CALIFORNIA YEARS: 1954 - 1955

CLASS: 1 MONTH: 1

CONDITION: 1 HOURS: 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1971-1972

CLASS: 10

CONDITION:

STATION: MONTH: HOURS: 1151

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.		1.	.									.
NNE													.
NE	.												.
ENE	.												.
E	.												.
ESE													.
SE													.
SSE													.
S	.	.	.	.	.								.
SSW	1.	1.											.
SW	1.	.	1.										.
WSW	.	.	.	.	.								.
W	.	.	.	.	.								.
WNW	.	.	.	.	.	.	.						.
NW	.	.	.	.	.	.	.						.
NNW	.	.	.	.	.	.	.						.
VARBL													.
CALM													.
	1.	.	.	1.	.	.	.					1.	.

TOTAL NUMBER OF OBSERVATIONS 1151

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME NAVY AIR STATION, CALIFORNIA YEARS 1971-1972

CLAS ALL SEAS

CONDITION

STATION NORTH

HOURLY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	11.0
NNE												1.0	11.0
NE												1.0	11.0
ENE												1.0	11.0
E												1.0	11.0
ESE												1.0	11.0
SE												1.0	11.0
SSE												1.0	11.0
S												1.0	11.0
SSW												1.0	11.0
SW												1.0	11.0
WSW												1.0	11.0
W												1.0	11.0
WNW												1.0	11.0
NW												1.0	11.0
NNW												1.0	11.0
VARBL												1.0	11.0
CALM												7.0	
												1.0	11.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4
7486-10-2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 117 STATION NAME ANCHORAGE ISLAND, CALIFORNIA YEARS 73-74
CLASS ALL WEATHER
CONDITION
HOURS 11.5

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1								.4	.1
NNE	.1	.1	.1	.1								.4	.1
NE	.1	.1	.1	.1								.4	.1
ENE	.1	.1	.1	.1								.4	.1
E	.1	.1	.1	.1								.4	.1
ESE	.1	.1	.1	.1								.4	.1
SE	.1	.1	.1	.1								.4	.1
SSE	.1	.1	.1	.1								.4	.1
S	.1	.1	.1	.1								.4	.1
SSW	.1	.1	.1	.1								.4	.1
SW	.1	.1	.1	.1								.4	.1
WSW	.1	.1	.1	.1								.4	.1
W	.1	.1	.1	.1								.4	.1
WNW	.1	.1	.1	.1								.4	.1
NW	.1	.1	.1	.1								.4	.1
NNW	.1	.1	.1	.1								.4	.1
VARBL													
CALM													
	1.0	7.7	3.1	12.0	1.0	.1	.1					10.0	.7

TOTAL NUMBER OF OBSERVATIONS 211

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

ANACAPITA ISLAND, CALIFORNIA

73-74, 80-82

YEARS

MONTH

JUN

ALL WEATHER

CLASS

HOURLY

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	17.4	11.1	27.4	6.1								10.0	1.5

TOTAL NUMBER OF OBSERVATIONS

170

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17 STATION NAME ALBUQUERQUE, CALIFORNIA YEARS 73-74, 80-82 MONTH 1 HOURS 11.57

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.										.	.
NE													
ENE		.										.	.
E	.1	1.1	.									2.1	4.1
ESE		1.1										1.1	4.1
SE	.	.	.									1.1	4.1
SSE	.1	.4	1.1									1.1	4.1
S	.1	4.4	1.1									1.1	4.1
SSW	1.1	.										4.1	1.1
SW	1.1	1.1	1.1									4.1	1.1
WSW	.1	4.4	1.1	.4								1.1	1.1
W	.1	1.1	1.1	1.1								1.1	1.1
WNW	1.1	4.1	1.1	1.1	.4							1.1	1.1
NW	.	.	1.1	.4								4.1	1.1
NNW													
VARBL													
CALM												1.1	
	1.1	3.1	2.1	1.1	.4							1.1	4.1

TOTAL NUMBER OF OBSERVATIONS 17

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: SAN CLEMENTE ISLAND, CALIFORNIA
CLASS: FLEET
CONDITION:
HOURS: 11 5 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	0.0	1.0										0.0
NNE	0.0	0.0										0.0
NE	0.0	0.0										0.0
ENE	0.0	0.0	0.0									0.0
E	1.0	1.0	1.0	0.0								0.6
ESE	0.0	1.0	0.0									0.4
SE	0.0	0.0										0.0
SSE			0.0									0.0
S	1.0	0.0	1.0	0.0								0.6
SSW	0.0	0.0	1.0									0.4
SW	0.0	0.0	0.0	0.0								0.0
WSW	0.0	0.0	0.0									0.0
W	0.0	1.0	1.0	0.0								0.6
WNW	0.0	0.0	0.0	1.0								0.4
NW	0.0	0.0	0.0	1.0								0.4
NNW	0.0	0.0	0.0									0.0
VARBL												
CALM												
	1.0	0.0	2.0	0.0								0.4

TOTAL NUMBER OF OBSERVATIONS: 1

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEAR: _____ MONTH: _____
 CLASS: _____
 CONDITION: _____
 HOURS: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
ESE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4

TOTAL NUMBER OF OBSERVATIONS: 1

SMOS

E
4

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		
	CLASS		HOURS 11.5.7
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	•	•	•									•
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S	•	•	•	•								•
SSW	•	•	•	•								•
SW	•	•	•	•								•
WSW	•	•	•	•								•
W	•	•	•	•								•
WNW		•	•	•								•
NW		•	•	•								•
NNW	•	•	•	•								•
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS 7

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: LAKE MEADOWS, FLORIDA YEARS: 1951-1952 MONTH: JULY
 CLASS: 10-12
 CONDITION:
 HOURS: 151

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•										•	•
NNE													
NE													
ENE													
E													
ESE		•										•	•
SE													
SSE													
S	•	•	1•	•								•	•
SSW	•	1•	7•	1•								•	•
SW	•	1•	7•	1•								•	•
WSW	•	2•	7•	1•								11•	•
W	•	•	21•	17•								11•	•
WNW	•	1•	•	7•	•							11•	•
NW			•	•								1•	•
NNW		•	•									1•	•
VARBL													
CALM													
	•	17•	52•	24•	•							170•	•

TOTAL NUMBER OF OBSERVATIONS 171

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1971-1972 MONTH 1
CLASS 1 HOURS 1
CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•											•	•
NNE		•										•	•
NE													
ENE													
E													
ESE													
SE													
SSE													
S		•	•									•	•
SSW	•	•	•									•	•
SW	•	•	•	•								•	•
WSW	•	•	•	•	•							•	•
W	•	•	•	•	•							•	•
WNW	•	•	•	•	•							•	•
NW		•	•	•	•							•	•
NNW	•											•	•
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____
HOURS: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													.
CALM													.

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS LST
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 70

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ CLASS: _____ MONTH: _____
 STATION: _____ YEARS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.	.	.									4.0
NNE	.											4.0
NE		.										4.0
ENE		.										4.0
E	.	.	.									4.0
ESE	.	.	.									4.0
SE		.	.									4.0
SSE	.	.	.									4.0
S	4.0
SSW	4.0
SW	4.0
WSW	4.0
W	4.0
WNW	4.0
NW	4.0
NNW	4.0
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1961-1962 MONTH JUL
CLASS SEA HOURS 1500
CONDITION SEA

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	100	0

TOTAL NUMBER OF OBSERVATIONS 1500

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

NORTH

CLASS

HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE			.									.	.
NE													
ENE													
E													
ESE			.									.	.
SE													
SSE													
S	.	.	.									.	.
SSW	.	.	.	1.								.	.
SW	.	.	1.	.	.							.	.
WSW	1.	.	11.	1.								1.	.
W	.	.	11.	4.								13.	.
WNW	.	.	.	1.								.	.
NW		.	1.	.								.	.
NNW	.	1.	.									.	.
VARBL													
CALM													
	1.	.	5.	6.								13.	7.

TOTAL NUMBER OF OBSERVATIONS

14

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: JULY

CLASS: SEA

CONDITION: SEA

STATION: ASHEVILLE, NC

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS: 1000

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

CL

CLASS

CONDITION

YEARS

MONTH

HOURS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.											.
NNE												.
NE												.
ENE												.
E		.										.
ESE												.
SE		.										.
SSE												.
S	1.	.	.	.	.	.	.	.	.	.	.	3.
SSW	1.	.	.	.	.	.	.	.	.	.	.	3.
SW	1.	.	.	.	.	.	.	.	.	.	.	3.
WSW	.	.	.	.	.	.	.	.	.	.	.	3.
W	1.	1.	2.	2.	2.	2.	2.	2.	2.	2.	2.	3.
WNW	.	.	.	1.	1.	1.	1.	1.	1.	1.	1.	3.
NW	.	.	1.	1.	1.	1.	1.	1.	1.	1.	1.	3.
NNW	.											3.
VARB												
CALM												
	1.	1.	4.	1.	1.	1.	1.	1.	1.	1.	1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, CALIFORNIA YEARS: 1961 MONTH: JUL
CLASS: ALL WEATHER HOURS: ALL
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•								1	•
NNE	•	•	•									•	•
NE	•	•	•									•	•
ENE	•	•	•									•	•
E	•	•	•	•								•	•
ESE	•	•	•	•								•	•
SE	•	•	•	•								•	•
SSE	•	•	•	•								•	•
S	•	•	•	•	•							•	•
SSW	•	•	•	•	•							•	•
SW	•	•	•	•	•							•	•
WSW	•	•	•	•	•							•	•
W	•	•	•	•	•	•						•	•
WNW	•	•	•	•	•	•						•	•
NW	•	•	•	•	•	•						•	•
NNW	•	•	•	•	•	•						•	•
VARBL													
CALM													
	1	•	•	•	•	•						1	•

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	•											•
NNE												
NE												
ENE												
E	•											•
ESE	•	•										•
SE												
SSE	•	•										•
S	•	•	•									•
SSW	•	•	•									•
SW	•	•	•									•
WSW	•	•	•									•
W	•	•	•	•								•
WNW	•	•	•	•								•
NW		•	•	•								•
NNW		•										•
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
 CLASS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
 CLASS _____
 CONDITION _____

MONTH _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.		.									.	1.
NNE		.										.	
NE												.	
ENE												.	
E		.	.									.	
ESE												.	
SE												.	
SSE												.	
S		.	1.	.								.	
SSW	
SW	.	.	11.	1.								.	
WSW	.	.	11.	1.								.	
W	.	.	11.	4.								.	
WNW		1.	.	.								.	
NW		1.	.	.								.	
NNW	
VARBL												.	
CALM												.	
	.	.	.	11.	1							.	

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	HOURS
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		*	*									*	*
NNE	*											*	*
NE												*	*
ENE		*										*	*
E			*									*	*
ESE												*	*
SE												*	*
SSE												*	*
S		*										*	*
SSW	*	*	*	*	*							*	*
SW	*	*	*	*	*							*	*
WSW	*	*	1	*	*							*	*
W	*	*	*	11	*							*	*
WNW		*	*	*	*							*	*
NW		*	*	*	*							*	*
NNW		*	*	*	*							*	*
VARBL												*	*
CALM												*	*

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALLENDALE, ALABAMA YEARS: 1951-1952

CLASS: ALL WEATHER

CONDITION:

STATION: MONTH: 17

HOURLY: 157

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	•											•	
NE													
ENE		•										•	
E													
ESE			•									•	
SE													
SSE													
S	•	1•										•	
SSW	•	•	•									•	
SW	•	1•	•									•	
WSW	•	•	•	•	•							•	
W	•	1•	•	•	•							•	
WNW	•	•	1•	1•	•							•	
NW	•		•	•	•							•	
NNW													
VARBL													
CALM												1•	
	11•	1•	•	•	•							1•	•

TOTAL NUMBER OF OBSERVATIONS: 157

SMOS

4

NAVAL WEATHER SERVICE
 WASHINGTON, D. C.
 20340-5000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ NOVEMBER _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVY DEPARTMENT
OFFICE OF THE SECRETARY
WASHINGTON, D. C.

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURLY

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DEPARTMENT
ADVISORY

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
NNE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	PORT
	CLASS		HOURS 12 1 2
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
 CLASS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	1.										.
NNE	.	.											.
NE	.	.											.
ENE		.	.	.									.
E	.	1.	1.										.
ESE	.	1.	1.	.									.
SE	.		.										.
SSE		.											.
S	.	1.	.										.
SSW	.	.	.	.									.
SW	.	.	.	.	.								.
WSW	.	1.	1.	.									.
W	.	.	.	1.	.								.
WNW	.	1.	.	1.	.								.
NW	.	1.	1.	.	.								.
NNW	.	1.	.	.	.								.
VARBL													.
CALM													.
	1.	4.	7.	2.	.							1.	.

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

MONTH _____

HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•									•	•
NNE		•										•	•
NE												•	•
ENE		•	•									•	•
E		•	•	•								•	•
ESE			•									•	•
SE												•	•
SSE												•	•
S	•	•	•	•								•	•
SSW	•	•	•	•								•	•
SW	•	•	•	•	•							•	•
WSW	•	•	•	•	•	•						•	•
W	•	•	•	•	•	•	•					•	•
WNW	•	•	•	•	•	•	•	•				•	•
NW	•	•	•	•	•	•	•	•	•			•	•
NNW		•	•	•	•	•	•	•	•	•		•	•
VARBL												•	•
CALM												•	•

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
 DEPARTMENT OF THE NAVY
 WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
STATION NAME
APPROXIMATE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____
CLASS _____
COORDINATE _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
STATION REPORT
WIND RECORD

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
 DETACHMENT
 ADRIANVILLE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	*	*	*									*	*
NNE	*	*	*	*								*	*
NE		*		*								*	*
ENE	*			*								*	*
E	*	*	*									*	*
ESE	*	*	*	*								*	*
SE	*	*	*	*								*	*
SSE	*	*	*	*								*	*
S	*	*	*	*								*	*
SSW	*	*	*	*								*	*
SW	*	*	*	*	*							*	*
WSW	*	*	*	*	*							*	*
W	*	*	*	*	*	*						*	*
WNW	*	*	*	*	*	*						*	*
NW	*	*	*	*	*	*	*					*	*
NNW	*	*	*	*	*	*	*	*				*	*
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	.	.	.	.	.	.	.	.	.	.	.
NNE
NE
ENE	.	1.	1.	.	.	.	.	.	.	.	.	.	.
E	1.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	1.	.	1.	.	.	.	.	.	.	.	.	.
SE	1.	.	.	.	.	.	.	.	.	.	.	.	.
SSE
S	.	.	1.	.	.	.	.	.	.	.	.	.	.
SSW	.	1.	.	.	.	.	.	.	.	.	.	.	.
SW
WSW
W	.	.	.	1.	.	.	.	.	.	.	.	.	.
WNW
NW
NNW
VARBL
CALM
	.	.	1.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 1954 MONTH 1
CLASS 1 HOURS 1
CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1	1	1	1	1	1	1	1	1	1	1
NNE	1	1	1	1	1	1	1	1	1	1	1	1	1
NE	1	1	1	1	1	1	1	1	1	1	1	1	1
ENE	1	1	1	1	1	1	1	1	1	1	1	1	1
E	1	1	1	1	1	1	1	1	1	1	1	1	1
ESE	1	1	1	1	1	1	1	1	1	1	1	1	1
SE	1	1	1	1	1	1	1	1	1	1	1	1	1
SSE	1	1	1	1	1	1	1	1	1	1	1	1	1
S	1	1	1	1	1	1	1	1	1	1	1	1	1
SSW	1	1	1	1	1	1	1	1	1	1	1	1	1
SW	1	1	1	1	1	1	1	1	1	1	1	1	1
WSW	1	1	1	1	1	1	1	1	1	1	1	1	1
W	1	1	1	1	1	1	1	1	1	1	1	1	1
WNW	1	1	1	1	1	1	1	1	1	1	1	1	1
NW	1	1	1	1	1	1	1	1	1	1	1	1	1
NNW	1	1	1	1	1	1	1	1	1	1	1	1	1
VARBL	1	1	1	1	1	1	1	1	1	1	1	1	1
CALM	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ CLASS: _____ MONTH: _____
 STATION: _____ YEARS: _____ HOURS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVY WEATHER SERVICE
METEOROLOGICAL
ADVISORY

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY AND AIR FORCE
STATION NAME
WIND RECORD

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOUR _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
STATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ CLASS _____

YEAR _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVY AIRCRAFT
 OBSERVATION
 REPORT

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMITH



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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

CLASS

NUMBER

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

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STATION NAME

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

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WALL DATA SHEET
 DEPARTMENT
 AIR FORCE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

CONDITION

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

MOON _____

NO. OF HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													
	0.1	3.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0		

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT 1
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALBANY		
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
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CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____ HOURS: _____
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVY WEATHER SERVICE
DEPARTMENT
ARMY WEATHER

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT OF THE ARMY
ADDITIONAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

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Form No. 1-61 (Rev. 1-61)
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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
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TOTAL NUMBER OF OBSERVATIONS

SMOS

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STATION NO. 1000
STATION NAME
CLASS
CONDITION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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TOTAL NUMBER OF OBSERVATIONS

SMOS

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4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

DATE

CLASS

NUMBER

CONDITION

SPEED KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	31	ALL DIRS TOTAL
N													
NNE													
NE													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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SSE													
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SSW													
SW													
WSW													
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WNW													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

PART D

CEILING VERSUS VISIBILITY

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING FEET	VISIBILITY (STATUTE MILES)										
	10	8	6	4	3	2	1.5	1	0.5	0.25	0
1500	91.0	90.0	89.0	88.0	87.0	86.0	85.0	84.0	83.0	82.0	81.0
1200	90.0	89.0	88.0	87.0	86.0	85.0	84.0	83.0	82.0	81.0	80.0
900	89.0	88.0	87.0	86.0	85.0	84.0	83.0	82.0	81.0	80.0	79.0
600	88.0	87.0	86.0	85.0	84.0	83.0	82.0	81.0	80.0	79.0	78.0
300	87.0	86.0	85.0	84.0	83.0	82.0	81.0	80.0	79.0	78.0	77.0
0	86.0	85.0	84.0	83.0	82.0	81.0	80.0	79.0	78.0	77.0	76.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 91.0%.
Ceiling ≥ 500 feet = 90.3%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour group, it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all years and all years combined.

2. By month - by standard 3-hour groups.

Note: 1. Sky cover (total cloud amount) was not reported by U.S. Services until 1946. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Service stations recorded total cloud amount in code beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

Note: 2. Some source punched data used for this summary report cloud amount in tenths. These have been converted to tenths prior to summarizing, and stations which reported tenths in hundredths were originally reported in tenths. The number of observations for each month is:

Month	Number of Observations
January	10
February	10
March	10
April	10
May	10
June	10
July	10
August	10
September	10
October	10
November	10
December	10
Annual	120

Note: 3. Beginning in 1981 the standard 3-hourly observations were replaced by 1-hourly observations. The total number of observations for each month is:

Month	Number of Observations
January	20
February	20
March	20
April	20
May	20
June	20
July	20
August	20
September	20
October	20
November	20
December	20
Annual	240

CEILING VERSUS VISIBILITY

NAME OF STATION: _____

STATION:

STATION NAME:

YEARS:

MONTH:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS: _____

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 7000															
≥ 6000															
≥ 5000															
≥ 4500															
≥ 4000															
≥ 3500															
≥ 3000															
≥ 2500															
≥ 2000															
≥ 1800															
≥ 1500															
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS: _____

DATE: _____

NAVY WEATHER SERVICE DETACHMENT, ASHCOVE, N.S.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
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IV 2000															
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IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
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IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DATE

NAVAL WEATHER SERVICE FORM NO. 10-1 (REV. 1-61)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
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1200																
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400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

CHINA PASSAGE REPORT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

WINDS

CEILING FEET	VISIBILITY, STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/32
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
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3500														
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1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

WINDS

NAME OF STATION _____

CEILING VERSUS VISIBILITY

STATION _____

STATION NAME _____

YEARS _____

MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS _____

CEILING FEET	VISIBILITY, STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
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IN 14000																
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IN 300																
IN 200																
IN 100																
IN 0																

TOTAL NUMBER OF OBSERVATIONS _____

NAME OF STATION _____

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY

CEILING VERSUS VISIBILITY

MAINTAIN THIS FORM FOR EACH YEAR AT EACH STATION WHERE USED.

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

WIND DIRECTION

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
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200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01
NO CEILING																
≥ 20000																
MIN 18000																
MIN 16000																
MIN 14000																
MIN 12000																
MIN 10000																
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MIN 400																
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MIN 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING - FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
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≥ 600													
≥ 500													
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≥ 200													
≥ 100													
≥ 0													

TOTAL NUMBER OF RECORDS

CEILING VERSUS

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
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≥ 100												
≥ 0												

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NUMBER OF

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

U.S. DEPARTMENT OF COMMERCE
BUREAU OF MARINE SERVICE

NAVAL AIR STATION, STATION NUMBER

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

WIND DIRECTION

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
≥ 20000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

REMARKS

NAME OF WEATHER STATION (GIVE NAME AND LOCATION)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NUMBER OF

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

NATIONAL WEATHER SERVICE (NOAA) FORM 1-10-1

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAME OF STATION: _____

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

WINDS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
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IV 12000																
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TOTAL NUMBER OF OBSERVATIONS

NAME OF STATION

NATIONAL WEATHER SERVICE WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

WINDS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
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TOTAL NUMBER OF OBSERVATIONS

WINDS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
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TOTAL NUMBER OF OBSERVATIONS

REPORTED BY

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
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IV 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

TEXAS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING																
≥ 20000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

AD A150 383 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SAN CLEMENTE ISLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

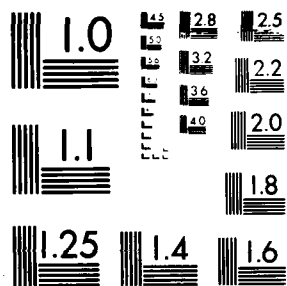
AD A150 383 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SAN CLEMENTE ISLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

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MICROCOPY RESOLUTION TEST CHART
 NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAV OCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMC5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
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IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
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IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅕	≥ 0	
NO CEILING																
IV 20000																
IV 18000																
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IV 400																
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IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	IV 10	IV 6	IV 5	IV 4	IV 3	IV 2½	IV 2	IV 1½	IV 1¼	IV 1	IV ¾	IV ½	IV 5-16	IV ¼	IV 0	
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
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IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMUS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
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IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DRY-BULB TEMPERATURE

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/16
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT AT THE FOLLOWING

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
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IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE

NATIONAL WEATHER SERVICE DETACHMENT WOODVILLE, LA

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FIGURE 1-5-1

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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TOTAL NUMBER OF OBSERVATIONS

FORM NO. 1-61 (REV. 1-61)

NATIONAL WEATHER SERVICE DETACHMENT ARLINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
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≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

NATIONAL WEATHER SERVICE

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET 15405

NATIONAL WEATHER SERVICE DETACHMENT ANNEVILLE, MD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DISPATCHED BY 5205

NATIONAL WEATHER SERVICE DETACHMENT ABERDEEN, N.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRT/VA/CEAN/ET 10/15

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
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IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAV OCEAN MET - AMOS

NAVAL WEATHER SERVICE DETACHMENT, WAREVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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100																
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TOTAL NUMBER OF OBSERVATIONS

DD FORM 1300, 1-60 (OCEAN MET) 5010

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMUS

NAVAL WEATHER SERVICE DETACHMENT ADDRESS NO.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT, AHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	≥ 0	
NO CEILING	
IV 20000	
IV 18000	
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IV 500	
IV 400	
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IV 100	
IV 0	

TOTAL NUMBER OF OBSERVATIONS

IN NAVJCEANMET 5705

NAVAL WEATHER SERVICE DETACHMENT AIRFIELD NO.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
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IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRT/AVIATION MET

NAVAL WEATHER SERVICE DETACHMENT REPORTING INSTRUCTIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
IV 18000															
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IV 0															

TOTAL NUMBER OF OBSERVATIONS

UNCLASSIFIED

NAVAL WEATHER SERVICE DETACHMENT WHEELER

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
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IV 0																

TOTAL NUMBER OF OBSERVATIONS

JOURNAL CLEARANCE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

NO. OF HOURS

CEILING VERSUS VISIBILITY

NATIONAL WEATHER SERVICE, WASHINGTON, D. C.

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

WINDS, ETC.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

NO. 1-2 WEATHER SERVICE DETACHMENT, WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

OFFICE AND DET. STOPS

NAVAL WEATHER SERVICE DETACHMENT, ATREVEILING

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

FORMAL RELEASE - 07/05

NAVAL WEATHER SERVICE DETACHMENT, ARLINGTON, VA.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

FORM NO. 1, JULY 1967, EDITION 1

NAME OF STATION: _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

DIVISION OF WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING																
IV 20000																
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TOTAL NUMBER OF OBSERVATIONS

DATE AND TIME OF OBSERVATION

NO. 101 WEATHER SERVICE DETACHMENT FORM 10-1-57

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

REMARKS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT AHB 111111

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET 8705

NATIONAL WEATHER SERVICE DETACHMENT WREXINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

DIPLOMACY SET 8705

NATIONAL WEATHER SERVICE DETACHMENT WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

FORM W-100 (REV. 1-1975)

NAVAL WEATHER SERVICE METEOROLOGICAL BUREAU

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
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TOTAL NUMBER OF OBSERVATIONS

FORM NO. 10-67 (REV. 1-67)

CEILING VERSUS VISIBILITY

NAME OF STATION: _____

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FIGURE 1-5-1

CEILING FEET	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
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TOTAL NUMBER OF OBSERVATIONS

STATION NAME

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
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≥ 12000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05
NO CEILING															
≥ 20000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

NO. 101 WEATHER DATA REPORT FORM (REV. 1-61)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

NO. OF HOURS

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAV OCEAN MET STATION

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

DIRTWAY CEANDET WASH DC

NO. 100 WEATHER REPORT (STANDARD FORM NO. 100)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

CONTINUOUSLY MET

NAVAL WEATHER SERVICE DETACHMENT WHEELER, WY.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

FORM NO. 1 (REV. 1-57)

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
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IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE: METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
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IV 400														
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IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET 100-10

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO. OF																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
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200																
100																
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TOTAL NUMBER OF OBSERVATIONS

DATE AND TIME SET

STATUS

NATIONAL WEATHER SERVICE DEPARTMENT OF COMMERCE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
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200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

JOURNAL, WEATHER, 1915

NAVY WEATHER SERVICE DETACHMENT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
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IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
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≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
≥ 0												

TOTAL NUMBER OF OBSERVATIONS

UNITED STATES DEPARTMENT OF COMMERCE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING													
≥ 20000													
IV 18000													
IV 16000													
IV 14000													
IV 12000													
IV 10000													
IV 9000													
IV 8000													
IV 7000													
IV 6000													
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IV 700													
IV 600													
IV 500													
IV 400													
IV 300													
IV 200													
IV 100													
IV 0													

TOTAL NUMBER OF OBSERVATIONS

STATION NUMBER

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 7000															
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≥ 3000															
≥ 2500															
≥ 2000															
≥ 1800															
≥ 1600															
≥ 1400															
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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≥ 12000																
≥ 10000																
≥ 9000																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT AT SEA

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 400																
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IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DATE AND TIME OF OBSERVATION

NAVAL WEATHER SERVICE DETACHMENT A, HICKAM AFB, HI

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
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IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DATA ACQUIRED FROM

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

FORMAL RELEASED BY NWS

NAVAL WEATHER SERVICE DEPARTMENT OF THE NAVY

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

ORIGIN: CELESTIAL MAPS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE FORM NO. 10-1

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
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IV 0																

TOTAL NUMBER OF OBSERVATIONS

DATE

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
IV 14000														
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IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

OPTIONAL METEOROLOGICAL SERVICE

NAVAL WEATHER SERVICE DETACHMENT, ARLV 111, 111

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
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IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

GRAPHICALLY PREPARED BY

CEILING VERSUS VISIBILITY

NO. 100 WEATHER SERVICE REPORT FORM (10-1-54)

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS - 157

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

FORM 100-1 (10-1-54)

NAVAL WEATHER SERVICE FORM NO. 10-1

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
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IV 10000																
IV 9000																
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IV 0																

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NUMBER OF

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
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IV 0																

TOTAL NUMBER OF OBSERVATIONS

STATION IDENTIFICATION

CEILING VERSUS VISIBILITY

WALLACE W. BATHEN, JR., U.S. AIR FORCE, RETIRED

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12500																
IV 10000																
IV 9000																
IV 8000																
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IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

WALLACE W. BATHEN, JR., U.S. AIR FORCE, RETIRED

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY, STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
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500														
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200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATE

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 700																
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≥ 500																
≥ 400																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
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≥ 10000															
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≥ 900															
≥ 850															
≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

Figure 1. The effect of the concentration of the H_2O_2 solution on the amount of the released H_2O from the H_2O_2 -loaded hydrogel. The amount of the released H_2O was measured at 37 °C for 24 h. The concentration of the H_2O_2 solution was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 M. The amount of the released H_2O was measured at 37 °C for 24 h. The concentration of the H_2O_2 solution was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 M.

● ● ● ● ●

• 33 •

TOTAL NUMBER OF OBSERVATIONS

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1972).

NAME OF AIRPORT OR STATION

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NUMBER OF

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
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1200																
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900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

NAME OF AIRPORT OR STATION

NAVY WEATHER SERVICE - STATION FORM NO. 1-57

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - 1-5-7

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 4500																
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IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

REMARKS (CLEAR, MET, etc.)

NATIONAL WEATHER SERVICE DATA REPORT WFO _____

CEILING VERSUS VISIBILITY

STATION _____

STATION NAME _____

YEARS _____

MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS _____

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

FORM NO. 10-60 (REV. 1-65)

NAVAL WEATHER SERVICE WASHINGTON, D.C. 20340

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ 1	≥ ½	≥ ¼	≥ ¼	≥ ⅛	≥ 5/16	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

APPROVAL AND SIGNATURE

NAVY WEATHER SERVICE DETACHMENT WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TABLE 1.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

FORM 1, 1-64 (REV. 1-64)

NATIONAL WEATHER SERVICE DEPARTMENT OF COMMERCE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FIGURE 1-57

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	≥ 0	
NO CEILING															
IV 20000	
IV 18000	
IV 16000	
IV 14000	
IV 12000	
IV 10000	
IV 9000	
IV 8000	
IV 7000	
IV 6000	
IV 5000	
IV 4500	
IV 4000	
IV 3500	
IV 3000	
IV 2500	
IV 2000	
IV 1800	
IV 1500	
IV 1200	
IV 1000	
IV 900	
IV 800	
IV 700	
IV 600	
IV 500	
IV 400	
IV 300	
IV 200	
IV 100	
IV 0	

TOTAL NUMBER OF OBSERVATIONS

GRAPHICAL ANALYSIS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
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≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

UNPAID FOR ADVERT

NATIONAL WEATHER SERVICE - METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
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600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

HOW MANY TIMES

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
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≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
≥ 0													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 600																
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≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	< 1/8
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
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≥ 500														
≥ 400														
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≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .02	≥ .01
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
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300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

TIME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 8000												
≥ 7000												
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≥ 1500												
≥ 1000												
≥ 500												
≥ 200												
≥ 100												
≥ 50												
≥ 20												
≥ 10												
≥ 5												
≥ 2												
≥ 1												
≥ .5												
≥ .25												
≥ .1												

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
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≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO. CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

SKY COVER

STATION: ALBANY, N.Y. STATION NAME: ALBANY, N.Y. MONTH: JANUARY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
	1	•			•						1	•	1
	2	•			•						1	•	1
	3	•			•						1	•	1
	4	•			•						1	•	1
	5	•			•						1	•	1
	6	•			•						1	•	1
	7	•			•						1	•	1
	8	•			•						1	•	1
	9	•			•						1	•	1
	10	•			•						1	•	1
	11	•			•						1	•	1
	12	•			•						1	•	1
	13	•			•						1	•	1
	14	•			•						1	•	1
	15	•			•						1	•	1
	16	•			•						1	•	1
	17	•			•						1	•	1
	18	•			•						1	•	1
	19	•			•						1	•	1
	20	•			•						1	•	1
	21	•			•						1	•	1
	22	•			•						1	•	1
	23	•			•						1	•	1
	24	•			•						1	•	1
	25	•			•						1	•	1
	26	•			•						1	•	1
	27	•			•						1	•	1
	28	•			•						1	•	1
	29	•			•						1	•	1
	30	•			•						1	•	1
	31	•			•						1	•	1
	TOTAL	•			•						1	•	1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

SKY COVER

STATION	STATION NAME	TYPE	FUNCTION
1	STATION 1	TYPE 1	FUNCTION 1
2	STATION 2	TYPE 2	FUNCTION 2
3	STATION 3	TYPE 3	FUNCTION 3
4	STATION 4	TYPE 4	FUNCTION 4
5	STATION 5	TYPE 5	FUNCTION 5
6	STATION 6	TYPE 6	FUNCTION 6
7	STATION 7	TYPE 7	FUNCTION 7
8	STATION 8	TYPE 8	FUNCTION 8
9	STATION 9	TYPE 9	FUNCTION 9
10	STATION 10	TYPE 10	FUNCTION 10
11	STATION 11	TYPE 11	FUNCTION 11
12	STATION 12	TYPE 12	FUNCTION 12
13	STATION 13	TYPE 13	FUNCTION 13
14	STATION 14	TYPE 14	FUNCTION 14
15	STATION 15	TYPE 15	FUNCTION 15
16	STATION 16	TYPE 16	FUNCTION 16
17	STATION 17	TYPE 17	FUNCTION 17
18	STATION 18	TYPE 18	FUNCTION 18
19	STATION 19	TYPE 19	FUNCTION 19
20	STATION 20	TYPE 20	FUNCTION 20
21	STATION 21	TYPE 21	FUNCTION 21
22	STATION 22	TYPE 22	FUNCTION 22
23	STATION 23	TYPE 23	FUNCTION 23
24	STATION 24	TYPE 24	FUNCTION 24
25	STATION 25	TYPE 25	FUNCTION 25
26	STATION 26	TYPE 26	FUNCTION 26
27	STATION 27	TYPE 27	FUNCTION 27
28	STATION 28	TYPE 28	FUNCTION 28
29	STATION 29	TYPE 29	FUNCTION 29
30	STATION 30	TYPE 30	FUNCTION 30
31	STATION 31	TYPE 31	FUNCTION 31
32	STATION 32	TYPE 32	FUNCTION 32
33	STATION 33	TYPE 33	FUNCTION 33
34	STATION 34	TYPE 34	FUNCTION 34
35	STATION 35	TYPE 35	FUNCTION 35
36	STATION 36	TYPE 36	FUNCTION 36
37	STATION 37	TYPE 37	FUNCTION 37
38	STATION 38	TYPE 38	FUNCTION 38
39	STATION 39	TYPE 39	FUNCTION 39
40	STATION 40	TYPE 40	FUNCTION 40
41	STATION 41	TYPE 41	FUNCTION 41
42	STATION 42	TYPE 42	FUNCTION 42
43	STATION 43	TYPE 43	FUNCTION 43
44	STATION 44	TYPE 44	FUNCTION 44
45	STATION 45	TYPE 45	FUNCTION 45
46	STATION 46	TYPE 46	FUNCTION 46
47	STATION 47	TYPE 47	FUNCTION 47
48	STATION 48	TYPE 48	FUNCTION 48
49	STATION 49	TYPE 49	FUNCTION 49
50	STATION 50	TYPE 50	FUNCTION 50
51	STATION 51	TYPE 51	FUNCTION 51
52	STATION 52	TYPE 52	FUNCTION 52
53	STATION 53	TYPE 53	FUNCTION 53
54	STATION 54	TYPE 54	FUNCTION 54
55	STATION 55	TYPE 55	FUNCTION 55
56	STATION 56	TYPE 56	FUNCTION 56
57	STATION 57	TYPE 57	FUNCTION 57
58	STATION 58	TYPE 58	FUNCTION 58
59	STATION 59	TYPE 59	FUNCTION 59
60	STATION 60	TYPE 60	FUNCTION 60
61	STATION 61	TYPE 61	FUNCTION 61
62	STATION 62	TYPE 62	FUNCTION 62
63	STATION 63	TYPE 63	FUNCTION 63
64	STATION 64	TYPE 64	FUNCTION 64
65	STATION 65	TYPE 65	FUNCTION 65
66	STATION 66	TYPE 66	FUNCTION 66
67	STATION 67	TYPE 67	FUNCTION 67
68	STATION 68	TYPE 68	FUNCTION 68
69	STATION 69	TYPE 69	FUNCTION 69
70	STATION 70	TYPE 70	FUNCTION 70
71	STATION 71	TYPE 71	FUNCTION 71
72	STATION 72	TYPE 72	FUNCTION 72
73	STATION 73	TYPE 73	FUNCTION 73
74	STATION 74	TYPE 74	FUNCTION 74
75	STATION 75	TYPE 75	FUNCTION 75
76	STATION 76	TYPE 76	FUNCTION 76
77	STATION 77	TYPE 77	FUNCTION 77
78	STATION 78	TYPE 78	FUNCTION 78
79	STATION 79	TYPE 79	FUNCTION 79
80	STATION 80	TYPE 80	FUNCTION 80
81	STATION 81	TYPE 81	FUNCTION 81
82	STATION 82	TYPE 82	FUNCTION 82
83	STATION 83	TYPE 83	FUNCTION 83
84	STATION 84	TYPE 84	FUNCTION 84
85	STATION 85	TYPE 85	FUNCTION 85
86	STATION 86	TYPE 86	FUNCTION 86
87	STATION 87	TYPE 87	FUNCTION 87
88	STATION 88	TYPE 88	FUNCTION 88
89	STATION 89	TYPE 89	

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	1	•			•						1	1	•	
	2	•			•						1	1	•	1
	3	•			•						1	1	•	
	4	•			•						1	1	•	
	5	•			•						1	1	•	
	6	•			•						1	1	•	
	7	•			•						1	1	•	
	8	•			•						1	1	•	
	9	•			•						1	1	•	
	10	•			•						1	1	•	
	11	•			•						1	1	•	
	12	•			•						1	1	•	
TOTAL		•			•						1	1	•	

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL SKY COVER
		0	1	2	3	4	5	6	7	8	9			10
JANUARY	1	1			1						1	1	1
	2	1			1						1	1	1
	3	1			1						1	1	1
	4	1			1						1	1	1
	5	1			1						1	1	1
	6	1			1						1	1	1
	7	1			1						1	1	1
	8	1			1						1	1	1
	9	1			1						1	1	1
	10	1			1						1	1	1
	11	1			1						1	1	1
	12	1			1						1	1	1
TOTAL	1			1						1	1	1	

STATION	STATION NAME	DATE	MONTH
---------	--------------	------	-------

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS EST.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
		.			.1						1.	1.	.1	1
		1.	.		1.						1.	4.	.1	1
		1.	.		1.						1.	4.	.1	1
		.	.		1.						1.	4.	.	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1
		.			.						1.	1.	.1	1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9			10
1	11.0				10.0						10.7	10.0	10.0
2	11.0				10.0						10.0	10.0	10.0
3	11.0				10.0						10.0	10.0	10.0
4	11.0				10.0						10.0	10.0	10.0
5	11.0				10.0						10.0	10.0	10.0
6	11.0				10.0						10.0	10.0	10.0
7	11.0				10.0						10.0	10.0	10.0
8	11.0				10.0						10.0	10.0	10.0
9	11.0				10.0						10.0	10.0	10.0
10	11.0				10.0						10.0	10.0	10.0
11	11.0				10.0						10.0	10.0	10.0
12	11.0				10.0						10.0	10.0	10.0
TOTAL	11.0				10.0						10.0	10.0	10.0

SKY COVER

1. DATE: 10/10/64 2. ALTITUDE: 10000
 3. STATION NAME: 4. TIME: 1000

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)										MEAN PERCENTAGE (EST)
		0	1	2	3	4	5	6	7	8	9	
	1	10			10					10	10	10
	2	10			10					10	10	10
	3	10			10					10	10	10
	4	10			10					10	10	10
	5	10			10					10	10	10
	6	10			10					10	10	10
	7	10			10					10	10	10
	8	10			10					10	10	10
TOTAL												

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	NO. OF OBS.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER							TOTAL PERCENTAGE OCCURRENCE	
		0	1	2	3	4	5	6		
JAN	10	0	0	0	0	0	0	0	0	0
FEB	10	0	0	0	0	0	0	0	0	0
MAR	10	0	0	0	0	0	0	0	0	0
APR	10	0	0	0	0	0	0	0	0	0
MAY	10	0	0	0	0	0	0	0	0	0
JUN	10	0	0	0	0	0	0	0	0	0
JUL	10	0	0	0	0	0	0	0	0	0
AUG	10	0	0	0	0	0	0	0	0	0
SEP	10	0	0	0	0	0	0	0	0	0
OCT	10	0	0	0	0	0	0	0	0	0
NOV	10	0	0	0	0	0	0	0	0	0
DEC	10	0	0	0	0	0	0	0	0	0
TOTAL	100	0	0	0	0	0	0	0	0	0

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PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOLY OBSERVATIONS

Schizothorax sinensis, *S. robustus*, *S. robustus* × *S. sinensis*

AD A150 383

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SAN CLEMENTE ISLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC OCT 83

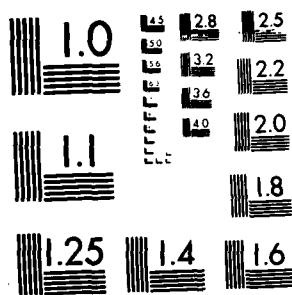
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

22

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
JAN	21	43.7			27.0						11.1	23.7	4.0	244	
	20	40.1			27.0						17.7	25.7	4.0	241	
FEB	21	26.3			26.1						25.6	26.0	4.1	245	
	1	27.7			27.4						28.1	16.9	5.0	242	
MAR	1	3.2			53.3						27.4	13.1	4.4	241	
	1	26.7			3.1						27.7	17.8	4.0	232	
APR	1	2.5			51.9						17.4	19.9	4.6	241	
	2	4.7			29.3						17.1	15.4	4.8	249	

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017 AN. CLEMENTE ISLAND, CALIFORNIA

13-00000

155

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	1	44.7			22.7						11.7	21.3	3.7	202
	"	42.3			20.9						18.2	20.2	4.1	222
	"	24.6			33.6						21.3	20.3	4.2	161
JUL	1	10.1			27.4						23.1	21.5	5.0	173
	1	26.1			17.0						21.0	20.1	4.2	153
	1	26.2			31.6						19.6	22.0	5.3	101
	12	32.4			32.2						17.4	17.5	4.3	123
	22	30.2			31.2						19.1	19.5	5.5	207
TOTALS		170.2			229.1						176.6	200.4	46.5	2352

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SKY COVER

1117 A. CLEMENTE ISLAND, CALIFORNIA 23-42 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	21.4			21.7						20.4	25.2	5.7	2127
FEB		21.1			21.4						17.0	27.0	5.7	2124
MAR		20.7			21.1						21.7	22.3	5.0	2126
APR		20.0			20.5						18.3	24.6	5.1	221
MAY		18.4			19.1						18.6	44.0	5.6	2218
JUN		11.0			18.9						17.5	41.7	5.7	2245
JUL		10.1			18.2						19.2	45.4	6.9	2121
AUG		10.7			17.0						22.2	44.6	7.2	2121
SEP		20.7			18.5						20.1	41.4	6.5	2247
OCT		20.7			24.1						21.0	25.3	5.1	2133
NOV		17.0			20.8						17.9	14.3	4.5	2105
DEC		17.0			20.1						17.6	20.4	4.5	2152
TOTALS		20.2			21.4						19.5	32.0	5.7	27348

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NOCP, Federal Building
Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computation of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the number of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry-bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION NAME
4. CLIMATE, CALIFORNIA

A3-31

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100													
99									1.0				
98									1.0	1.2			
97									3.0	2.7			
96									6.0	4.7			
95									10.0	10.0			
94									10.0	10.0			
93									10.0	10.0			
92									10.0	10.0			
91									10.0	10.0			
90									10.0	10.0			
89									10.0	10.0			
88									10.0	10.0			
87									10.0	10.0			
86									10.0	10.0			
85									10.0	10.0			
84									10.0	10.0			
83									10.0	10.0			
82									10.0	10.0			
81									10.0	10.0			
80									10.0	10.0			
79									10.0	10.0			
78									10.0	10.0			
77									10.0	10.0			
76									10.0	10.0			
75									10.0	10.0			
74									10.0	10.0			
73									10.0	10.0			
72									10.0	10.0			
71									10.0	10.0			
70									10.0	10.0			
69									10.0	10.0			
68									10.0	10.0			
67									10.0	10.0			
66									10.0	10.0			
65									10.0	10.0			
64									10.0	10.0			
63									10.0	10.0			
62									10.0	10.0			
61									10.0	10.0			
60									10.0	10.0			
59									10.0	10.0			
58									10.0	10.0			
57									10.0	10.0			
56									10.0	10.0			
55									10.0	10.0			
54									10.0	10.0			
53									10.0	10.0			
52									10.0	10.0			
51									10.0	10.0			
50									10.0	10.0			
49									10.0	10.0			
48									10.0	10.0			
47									10.0	10.0			
46									10.0	10.0			
45									10.0	10.0			
44									10.0	10.0			
43									10.0	10.0			
42									10.0	10.0			
41									10.0	10.0			
40									10.0	10.0			
39									10.0	10.0			
38									10.0	10.0			
37									10.0	10.0			
36									10.0	10.0			
35									10.0	10.0			
34									10.0	10.0			
33									10.0	10.0			
32									10.0	10.0			
31									10.0	10.0			
30									10.0	10.0			
29									10.0	10.0			
28									10.0	10.0			
27									10.0	10.0			
26									10.0	10.0			
25									10.0	10.0			
24									10.0	10.0			
23									10.0	10.0			
22									10.0	10.0			
21									10.0	10.0			
20									10.0	10.0			
19									10.0	10.0			
18									10.0	10.0			
17									10.0	10.0			
16									10.0	10.0			
15									10.0	10.0			
14									10.0	10.0			
13									10.0	10.0			
12									10.0	10.0			
11									10.0	10.0			
10									10.0	10.0			
9									10.0	10.0			
8									10.0	10.0			
7									10.0	10.0			
6									10.0	10.0			
5									10.0	10.0			
4									10.0	10.0			
3									10.0	10.0			
2									10.0	10.0			
1									10.0	10.0			
0									10.0	10.0			
MEAN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
S D	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
TOTAL OBS	10	10	10	10	10	10	10	10	10	10	10	10	10

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DAILY TEMPERATURES

STATION NAME: LA JOLLA, CALIF. STATION NUMBER: 114 YEARS: 1941-1950

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
11													.1
12													.1
13													.1
14													.1
15													.1
16													.1
17													.1
18													.1
19													.1
20													.1
21													.1
22													.1
23													.1
24													.1
25													.1
26													.1
27													.1
28													.1
29													.1
30													.1
31													.1
32													.1
33													.1
34													.1
35													.1
36													.1
37													.1
38													.1
39													.1
40													.1
41													.1
42													.1
43													.1
44													.1
45													.1
46													.1
47													.1
48													.1
49													.1
50													.1
51													.1
52													.1
53													.1
54													.1
55													.1
56													.1
57													.1
58													.1
59													.1
60													.1
61													.1
62													.1
63													.1
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96													.1
97													.1
98													.1
99													.1
100													.1
MEAN	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
S D	1.244	1.244	1.244	1.244	1.244	1.244	1.244	1.244	1.244	1.244	1.244	1.244	1.244
TOTAL OBS	514	514	514	514	514	514	514	514	514	514	514	514	514

NAVWEASERVCOM

DAILY TEMPERATURES

STATION NAME: 4111 HIGHWAY, CALIFORNIA STATION NAME: 63-00 YEARS: 1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP. (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1									1.1	.3			.4
2									3.4	2.1			.7
3									5.5	5.0			1.1
4			1.1	4.1	5.7	17.9	46.7	81.7	88.7	94.3	9.7	1.1	21.7
5	1.1	16.7	18.2	27.2	43.4	4.6	57.9	100.0	100.0	94.3	62.7	19.9	57.9
6	1.1	24.7	24.7	31.7	58.0	100.0	100.0			99.7	95.7	78.4	91.7
7	1.1	29.6	29.6	100.0	100.0					100.0	99.6	98.7	98.6
8	100.0	100.0	100.0								100.0	100.0	100.0
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100													
MEAN	5.0	37.0	57.1	55.1	59.5	67.3	78.7	86.7	75.3	64.3	64.7	57.5	64.7
S.D.	0.7	1.043	1.044	2.075	2.057	2.074	2.040	2.055	3.064	3.044	3.045	3.033	2.077
TOTAL OBS		14	5	14	14	14	14	14	14	14	14	14	14

NAVWEASERVCOM

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION ASHEVILLE, NORTH CAROLINA STATION NAME ASHEVILLE, NORTH CAROLINA YEARS 1964-1977 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	F	C	F	C	F	C		F	C	F	C	
1	5.1	13.1	51.1	16.1	71	21.7	1964	49.3	9.5	21	2.8	1977
2	4.5	12.5	51.5	16.4	77	25.0	1964	47.4	8.7	21	2.8	1977
3	4.1	12.3	51.0	16.1	71	21.1	1964	47.2	8.4	21	2.8	1977
4	4.1	12.4	51.7	16.1	71	21.7	1964	47.8	8.6	21	2.8	1977
5	4.4	12.4	51.5	16.4	71	22.0	1964	47.3	8.5	21	2.8	1977
6	4.5	12.5	51.9	16.1	61	18.4	1964	48.1	8.9	21	2.8	1977
7	4.6	12.5	50.2	15.7	61	19.4	1971	48.7	9.3	21	2.8	1977
8	4.4	12.6	51.1	15.6	61	18.3	1964	49.1	8.9	21	2.8	1977
9	4.5	12.6	51.2	15.5	61	20.5	1962	49.0	9.4	21	2.8	1977
10	5.1	13.4	52.4	16.8	71	22.0	1967	50.0	10.0	21	2.8	1977
11	5.1	12.9	51.1	16.2	71	21.7	1967	49.4	9.7	21	2.8	1977
12	5.1	13.3	52.1	16.7	71	25.0	1975	49.0	9.6	21	2.8	1977
13	5.1	13.5	51.3	17.4	81	28.9	1975	49.4	9.8	21	2.8	1977
14	5.1	13.5	51.2	17.4	71	25.1	1975	50.1	10.2	21	2.8	1977
15	5.1	13.4	51.3	17.4	71	25.1	1975	50.1	10.4	21	2.8	1977
16	5.1	13.2	51.1	17.3	71	26.1	1975	51.1	11.1	21	2.8	1977
17	5.1	13.1	51.1	17.7	71	26.1	1965	51.1	11.1	21	2.8	1977
18	5.1	13.1	51.1	17.4	71	26.4	1977	51.1	11.1	21	2.8	1977
19	5.1	13.1	51.1	17.1	71	25.0	1975	50.1	10.5	21	2.8	1977
20	5.1	13.7	52.1	16.7	71	25.0	1976	51.2	10.7	21	2.8	1977
21	5.1	13.1	51.4	15.4	71	22.0	1976	50.7	10.4	21	2.8	1977
22	5.1	13.2	51.5	16.4	71	24.4	1976	49.5	9.8	21	2.8	1977
23	5.1	13.3	51.5	16.4	71	24.4	1963	50.2	10.1	21	2.8	1977
24	5.1	13.2	51.5	16.5	71	25.0	1964	49.7	9.8	21	2.8	1977
25	5.1	13.2	50.1	15.6	61	19.4	1977	49.3	9.9	21	2.8	1977
26	5.1	13.2	50.1	15.6	61	19.4	1977	49.9	9.9	21	2.8	1977
27	5.1	13.4	52.7	17.1	71	24.4	1971	49.5	9.7	21	2.8	1977
28	5.1	13.0	52.6	17.1	71	24.4	1971	50.4	10.2	21	2.8	1977
29	5.1	12.9	51.4	16.7	71	22.0	1971	49.2	9.6	21	2.8	1977
30	4.1	12.7	51.5	15.5	61	18.4	1976	49.3	9.8	21	2.8	1977
31	4.1	12.7	51.5	15.5	61	18.4	1976	49.3	9.8	21	2.8	1977
Monthly	5.1	13.2	51.7	16.1	61	20.7	1975	49.7	9.8	21	2.8	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP AVERAGE		EXTREME		DATE
	F	C	AVERAGE	F	C	EXTREME		F	C	F	C	
1	46.7	12.3	52.7	15.4	9	18.7	1964	46.7	12.3	46.7	12.3	1964
2	50.0	13.1	51.1	16.7	5	18.4	1964	46.7	12.3	46.7	12.3	1964
3	50.0	13.5	52.7	17.1	6	18.7	1964	50.0	13.5	50.0	13.5	1964
4	50.0	13.5	52.8	17.1	7	22.0	1963	50.0	13.5	50.0	13.5	1964
5	50.0	13.3	51.3	16.3	7	23.7	1962	50.0	13.3	50.0	13.3	1964
6	50.0	13.4	51.2	16.2	6	19.4	1977	50.0	13.4	50.0	13.4	1964
7	50.0	13.0	50.5	15.7	6	13.4	1977	50.0	13.0	50.0	13.0	1964
8	50.0	13.0	51.5	16.4	7	21.7	196	50.0	13.0	50.0	13.0	1964
9	57.0	14.1	52.2	16.4	7	22.0	1964	50.0	13.2	50.0	13.2	1964
10	50.0	13.4	52.0	16.7	7	22.0	1971	50.0	13.4	50.0	13.4	1964
11	56.0	13.5	52.0	17.2	7	20.4	1971	50.0	13.4	50.0	13.4	1964
12	56.0	13.5	52.5	17.1	8	26.7	1971	51.1	13.5	51.1	13.5	1964
13	57.0	13.5	52.4	16.9	7	23.7	1977	51.7	13.5	51.7	13.5	1964
14	56.4	13.5	50.2	15.7	6	18.7	1961	50.6	13.5	50.6	13.5	1964
15	50.0	13.5	51.7	16.5	6	20.0	1977	50.0	13.4	50.0	13.4	1964
16	50.0	13.7	51.7	16.5	7	21.1	1961	51.7	13.6	51.7	13.6	1964
17	50.0	13.9	52.1	16.7	7	21.1	1961	51.0	13.1	51.0	13.1	1964
18	50.0	13.0	51.1	17.3	7	24.4	1961	50.6	13.3	50.6	13.3	1964
19	50.0	14.2	51.7	17.6	7	23.0	1961	51.6	13.9	51.6	13.9	1964
20	50.0	13.8	52.4	16.3	7	21.1	1962	51.7	13.7	51.7	13.7	1964
21	50.0	13.3	52.1	16.7	7	21.7	1961	50.4	13.2	50.4	13.2	1964
22	50.0	13.7	52.2	16.4	7	21.1	1961	50.6	13.5	50.6	13.5	1964
23	50.0	13.6	52.2	16.4	6	19.4	1962	50.0	13.4	50.0	13.4	1964
24	56.7	13.7	52.3	16.2	7	22.7	1974	51.1	13.6	51.1	13.6	1964
25	56.5	13.7	52.6	17.0	7	22.0	1974	52.5	13.7	52.5	13.7	1964
26	50.7	13.2	50.7	15.9	6	19.4	1960	50.0	13.4	50.0	13.4	1964
27	50.7	13.3	50.5	16.7	7	23.7	1967	49.7	13.8	49.7	13.8	1964
28	50.0	13.4	50.1	16.7	7	25.0	1967	51.0	13.0	51.0	13.0	1964
29	50.0	14.0	51.6	17.0	6	23.0	1961	53.6	13.7	53.6	13.7	1964
30												
31												
Monthly	50.4	13.6	51.9	16.1	8	26.7	1971	50.0	13.4	4	4.4	1979

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: STATION NAME YEARS: YEARS

DATE	WEATHER		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	F	C	F	C	F	C		F	C	F	C	
1	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
2	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
3	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
4	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
5	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
6	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
7	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
8	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
9	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
10	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
11	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
12	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
13	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
14	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
15	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
16	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
17	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
18	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
19	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
20	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
21	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
22	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
23	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
24	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
25	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
26	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
27	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
28	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
29	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
30	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
31	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977
Monthly	13.0	1.1	13.0	1.1	6	2.2	1977	51.7	10.9	6	2.2	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION		STATION NAME		YEARS							
DEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP					
AVERAGE		AVERAGE		EXTREME		AVERAGE					
DAY	F	C	F	C	F	C	DATE	F	C	F	C
1	13.7	5.6	13.7	5.6	7	44.0	1971	11.1	5.1	4	39.2
2	13.7	5.6	13.7	5.6	6	44.0	1971	11.1	5.1	4	39.2
3	13.7	5.6	13.7	5.6	7	44.0	1971	11.1	5.1	4	39.2
4	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
5	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
6	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
7	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
8	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
9	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
10	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
11	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
12	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
13	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
14	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
15	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
16	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
17	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
18	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
19	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
20	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
21	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
22	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
23	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
24	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
25	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
26	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
27	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
28	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
29	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
30	14.4	5.7	14.4	5.7	7	44.0	1971	11.1	5.1	4	39.2
31	14.4	5.7	14.4	5.7	6	44.0	1971	11.1	5.1	4	39.2
Monthly	7.0	4.4	13.6	5.3	6	43.0	1971	11.1	5.1	4	39.2

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA YEARS: 1977-1982

DATE	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP		DATE
	F	C	AVERAGE	EXTREME	F	C		AVERAGE	EXTREME	
1	14.3	5.6	17.2	6	30.7	1977	2.6	11.3	1	1977
2	14.3	5.6	17.2	7	24.4	1977	2.1	11.7	4	1977
3	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
4	14.3	5.6	16.8	6	24.4	1977	3.2	11.9	5	1977
5	14.3	5.6	16.8	6	24.4	1977	3.2	11.9	5	1977
6	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
7	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
8	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
9	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
10	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
11	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
12	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
13	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
14	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
15	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
16	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
17	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
18	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
19	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
20	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
21	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
22	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
23	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
24	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
25	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
26	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
27	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
28	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
29	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
30	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
31	14.3	5.6	17.2	7	24.4	1977	3.2	11.9	5	1977
Monthly	14.3	5.6	17.2	7	34.4	1977	3.2	11.9	5	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NO. 34100 DATA 1-3-1970 STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	F	C	F	C	F	C	F	C	F	C	
1	55.7	13.2	54.5	12.5	71	21.7	19814	55.7	13.2	51	11.1
2	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
3	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
4	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
5	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
6	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
7	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
8	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
9	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
10	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
11	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
12	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
13	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
14	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
15	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
16	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
17	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
18	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
19	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
20	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
21	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
22	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
23	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
24	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
25	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
26	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
27	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
28	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
29	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
30	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
31	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1
Monthly	55.7	13.2	55.7	13.2	71	21.7	1981	55.7	13.2	51	11.1

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION		STATION NAME		YEARS		MONTH	
MINIMUM TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP	
AVERAGE		AVERAGE		EXTREME		AVERAGE	
DAY	F	C	F	C	F	C	DATE
1	17.4	17.4	20.4	20.4	77	25.0	1970
2	17.4	17.4	20.1	20.1	77	24.4	1970
3	17.4	17.4	20.1	20.1	77	24.4	1970
4	17.4	17.4	20.2	20.2	77	24.4	1970
5	17.4	17.4	20.1	20.1	77	24.4	1970
6	17.4	17.4	20.1	20.1	77	24.4	1970
7	17.4	17.4	20.1	20.1	77	24.4	1970
8	17.4	17.4	20.1	20.1	77	24.4	1970
9	17.4	17.4	20.1	20.1	77	24.4	1970
10	17.4	17.4	20.1	20.1	77	24.4	1970
11	17.4	17.4	20.1	20.1	77	24.4	1970
12	17.4	17.4	20.1	20.1	77	24.4	1970
13	17.4	17.4	20.1	20.1	77	24.4	1970
14	17.4	17.4	20.1	20.1	77	24.4	1970
15	17.4	17.4	20.1	20.1	77	24.4	1970
16	17.4	17.4	20.1	20.1	77	24.4	1970
17	17.4	17.4	20.1	20.1	77	24.4	1970
18	17.4	17.4	20.1	20.1	77	24.4	1970
19	17.4	17.4	20.1	20.1	77	24.4	1970
20	17.4	17.4	20.1	20.1	77	24.4	1970
21	17.4	17.4	20.1	20.1	77	24.4	1970
22	17.4	17.4	20.1	20.1	77	24.4	1970
23	17.4	17.4	20.1	20.1	77	24.4	1970
24	17.4	17.4	20.1	20.1	77	24.4	1970
25	17.4	17.4	20.1	20.1	77	24.4	1970
26	17.4	17.4	20.1	20.1	77	24.4	1970
27	17.4	17.4	20.1	20.1	77	24.4	1970
28	17.4	17.4	20.1	20.1	77	24.4	1970
29	17.4	17.4	20.1	20.1	77	24.4	1970
30	17.4	17.4	20.1	20.1	77	24.4	1970
31	17.4	17.4	20.1	20.1	77	24.4	1970
Monthly	17.4	17.4	20.1	20.1	77	24.4	1970

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

LOCAL WEATHER SERVICE DETACHMENT
AT NEWBY NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: NEWBY, N.C. DATE: 12-1-77
 LOCATION: NEWBY, N.C. YEARS: 1971-1977

DATE	MINIMUM TEMP	AVERAGE		MAXIMUM TEMP		DATE	MINIMUM TEMP	AVERAGE		MAXIMUM TEMP	
		MIN	MAX	MIN	MAX			MIN	MAX	MIN	MAX
1	6.0	19.1	21.0	7	21.0	1971	6.0	19.1	21.0	7	21.0
2	6.0	19.1	21.0	7	21.0	1972	6.0	19.1	21.0	7	21.0
3	6.0	19.1	21.0	7	21.0	1973	6.0	19.1	21.0	7	21.0
4	6.0	19.1	21.0	7	21.0	1974	6.0	19.1	21.0	7	21.0
5	6.0	19.1	21.0	7	21.0	1975	6.0	19.1	21.0	7	21.0
6	6.0	19.1	21.0	7	21.0	1976	6.0	19.1	21.0	7	21.0
7	6.0	19.1	21.0	7	21.0	1977	6.0	19.1	21.0	7	21.0
8	6.0	19.1	21.0	7	21.0	1978	6.0	19.1	21.0	7	21.0
9	6.0	19.1	21.0	7	21.0	1979	6.0	19.1	21.0	7	21.0
10	6.0	19.1	21.0	7	21.0	1980	6.0	19.1	21.0	7	21.0
11	6.0	19.1	21.0	7	21.0	1981	6.0	19.1	21.0	7	21.0
12	6.0	19.1	21.0	7	21.0	1982	6.0	19.1	21.0	7	21.0
13	6.0	19.1	21.0	7	21.0	1983	6.0	19.1	21.0	7	21.0
14	6.0	19.1	21.0	7	21.0	1984	6.0	19.1	21.0	7	21.0
15	6.0	19.1	21.0	7	21.0	1985	6.0	19.1	21.0	7	21.0
16	6.0	19.1	21.0	7	21.0	1986	6.0	19.1	21.0	7	21.0
17	6.0	19.1	21.0	7	21.0	1987	6.0	19.1	21.0	7	21.0
18	6.0	19.1	21.0	7	21.0	1988	6.0	19.1	21.0	7	21.0
19	6.0	19.1	21.0	7	21.0	1989	6.0	19.1	21.0	7	21.0
20	6.0	19.1	21.0	7	21.0	1990	6.0	19.1	21.0	7	21.0
21	6.0	19.1	21.0	7	21.0	1991	6.0	19.1	21.0	7	21.0
22	6.0	19.1	21.0	7	21.0	1992	6.0	19.1	21.0	7	21.0
23	6.0	19.1	21.0	7	21.0	1993	6.0	19.1	21.0	7	21.0
24	6.0	19.1	21.0	7	21.0	1994	6.0	19.1	21.0	7	21.0
25	6.0	19.1	21.0	7	21.0	1995	6.0	19.1	21.0	7	21.0
26	6.0	19.1	21.0	7	21.0	1996	6.0	19.1	21.0	7	21.0
27	6.0	19.1	21.0	7	21.0	1997	6.0	19.1	21.0	7	21.0
28	6.0	19.1	21.0	7	21.0	1998	6.0	19.1	21.0	7	21.0
29	6.0	19.1	21.0	7	21.0	1999	6.0	19.1	21.0	7	21.0
30	6.0	19.1	21.0	7	21.0	2000	6.0	19.1	21.0	7	21.0
31	6.0	19.1	21.0	7	21.0	2001	6.0	19.1	21.0	7	21.0
Monthly	6.0	19.1	21.0	7	21.0	2002	6.0	19.1	21.0	7	21.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION		STATION NAME		YEARS		MONTH						
YEAR	WEATHER TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	F	C	F	C	F	C	DATE	F	C	F	C	DATE
1	6.1	12.7	7.3	21.4	7	24.6	1972	61.5	16.4	57	13.3	1971
2	6.1	12.7	7.3	21.4	7	24.6	1967	61.5	16.4	57	13.3	1964
3	6.1	12.7	7.3	21.4	7	24.6	1967	61.5	16.4	57	13.3	1964
4	6.7	19.2	11.7	22.2	8	27.2	1973	61.6	16.4	58	14.4	1971
5	6.1	12.9	10.3	21.4	8	24.7	1972	61.6	16.4	58	14.4	1964
6	6.1	12.8	10.2	21.7	7	24.4	1971	61.6	16.4	57	13.9	197
7	2.1	12.2	7.1	21.2	7	23.6	1971	61.6	16.4	58	14.4	1961
8	6.1	14.4	7.6	21.4	7	24.4	1976	61.6	16.4	57	13.7	197
9	3.2	16.7	10.4	21.3	8	27.2	1979	61.6	16.1	57	13.9	197
10	6.1	14.7	7.1	21.2	8	27.2	1967	61.6	16.4	58	13.7	1961
11	6.1	12.2	11.1	21.7	7	23.7	1971	61.6	16.1	57	13.7	197
12	6.7	19.7	8.7	23.3	8	26.4	1971	61.6	16.4	57	13.3	197
13	6.1	14.3	13.3	25.7	7	26.4	1971	60.7	16.2	58	14.3	1967
14	6.1	14.4	10.5	26.1	7	26.1	1979	60.7	16.5	54	12.7	197
15	6.1	14.1	11.5	21.7	9	36.7	1979	60.7	16.9	53	11.7	197
16	6.1	12.1	11.5	21.7	9	36.7	1979	61.2	16.2	58	13.9	197
17	6.1	13.3	7.3	21.4	8	34.4	1979	61.2	16.2	57	13.3	197
18	6.1	14.7	10.6	21.1	8	27.2	1979	61.2	16.2	58	13.7	197
19	14.1	14.1	11.7	21.7	8	28.3	1979	60.4	16.3	58	13.7	197
20	6.1	14.4	7.4	21.3	7	24.4	1973	60.7	16.6	58	13.7	196
21	6.6	16.7	11.4	21.7	8	27.7	1973	60.7	16.4	58	13.7	197
22	6.1	14.2	11.2	21.6	7	28.1	1979	60.2	16.3	58	13.2	197
23	6.1	12.4	10.7	22.1	8	31.7	1975	61.6	16.1	57	13.3	197
24	6.1	14.3	11.3	23.3	8	29.3	1975	61.6	16.4	58	13.7	1977
25	6.1	10.2	10.3	22.3	8	32.3	1973	61.2	16.2	57	13.7	1961
26	6.1	19.2	12.2	23.3	10	37.3	1963	61.2	16.2	58	12.6	197
27	6.1	14.6	12.1	27.1	9	31.1	1967	62.4	16.7	58	14.4	1967
28	6.1	14.2	11.6	23.1	10	33.1	197	61.7	16.3	57	13.9	1967
29	6.1	13.7	10.7	21.2	9	31.7	197	61.2	16.2	58	13.3	1961
30	6.1	12.1	11.2	21.6	8	31.7	1965	61.2	16.2	58	14.4	1977
31												
Monthly	6.1	13.9	11.1	21.7	11	36.7	1963	61.1	16.2	58	11.7	1978

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION: SAN JOSE, CALIF. 1971-1972 YEARS MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP		DATE
	F	C	AVERAGE	EXTREME	C	F		AVERAGE	EXTREME	
1	62.0	16.7	71.5	22.0	2	60.0	15.6	61.4	16.3	1971
2	61.0	16.1	71.5	21.4	3	66.7	19.3	61.4	16.3	1971
3	60.4	15.8	71.5	21.3	4	62.0	16.7	61.4	16.3	1971
4	60.7	15.9	71.5	21.4	5	61.1	15.6	61.4	16.3	1971
5	60.0	15.6	71.5	21.4	6	64.4	18.0	61.4	16.3	1971
6	60.0	15.6	71.5	22.0	7	63.3	17.4	60.6	15.9	1971
7	60.0	15.6	71.5	21.4	8	60.0	15.6	60.6	15.9	1971
8	60.0	15.6	71.5	21.4	9	60.6	15.9	60.6	15.9	1971
9	60.0	15.6	71.5	21.4	10	60.0	15.6	60.6	15.9	1971
10	60.0	15.6	71.5	21.4	11	60.0	15.6	60.6	15.9	1971
11	60.0	15.6	71.5	21.4	12	60.0	15.6	60.6	15.9	1971
12	60.0	15.6	71.5	21.4	13	60.0	15.6	60.6	15.9	1971
13	60.0	15.6	71.5	21.4	14	60.0	15.6	60.6	15.9	1971
14	60.0	15.6	71.5	21.4	15	60.0	15.6	60.6	15.9	1971
15	60.0	15.6	71.5	21.4	16	60.0	15.6	60.6	15.9	1971
16	60.0	15.6	71.5	21.4	17	60.0	15.6	60.6	15.9	1971
17	60.0	15.6	71.5	21.4	18	60.0	15.6	60.6	15.9	1971
18	60.0	15.6	71.5	21.4	19	60.0	15.6	60.6	15.9	1971
19	60.0	15.6	71.5	21.4	20	60.0	15.6	60.6	15.9	1971
20	60.0	15.6	71.5	21.4	21	60.0	15.6	60.6	15.9	1971
21	60.0	15.6	71.5	21.4	22	60.0	15.6	60.6	15.9	1971
22	60.0	15.6	71.5	21.4	23	60.0	15.6	60.6	15.9	1971
23	60.0	15.6	71.5	21.4	24	60.0	15.6	60.6	15.9	1971
24	60.0	15.6	71.5	21.4	25	60.0	15.6	60.6	15.9	1971
25	60.0	15.6	71.5	21.4	26	60.0	15.6	60.6	15.9	1971
26	60.0	15.6	71.5	21.4	27	60.0	15.6	60.6	15.9	1971
27	60.0	15.6	71.5	21.4	28	60.0	15.6	60.6	15.9	1971
28	60.0	15.6	71.5	21.4	29	60.0	15.6	60.6	15.9	1971
29	60.0	15.6	71.5	21.4	30	60.0	15.6	60.6	15.9	1971
30	60.0	15.6	71.5	21.4	31	60.0	15.6	60.6	15.9	1971
Monthly	60.0	15.6	71.5	21.4				60.6	15.9	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NO.		STATION NAME		YEARS		MONTH	
YEAR TEMP AVERAGE		MAXIMUM TEMP AVERAGE		EXTREME		MINIMUM TEMP AVERAGE	
F	C	F	C	F	C	F	C
DATE							
1	56.1	17.4	66.1	19.5	9	56.1	13.4
2	56.1	13.4	66.1	19.5	8	56.1	13.4
3	56.1	13.4	66.1	19.5	7	56.1	13.4
4	56.1	13.4	66.1	19.5	6	56.1	13.4
5	56.1	13.4	66.1	19.5	5	56.1	13.4
6	56.1	13.4	66.1	19.5	4	56.1	13.4
7	56.1	13.4	66.1	19.5	3	56.1	13.4
8	56.1	13.4	66.1	19.5	2	56.1	13.4
9	56.1	13.4	66.1	19.5	1	56.1	13.4
10	56.1	13.4	66.1	19.5	31	56.1	13.4
11	56.1	13.4	66.1	19.5	30	56.1	13.4
12	56.1	13.4	66.1	19.5	29	56.1	13.4
13	56.1	13.4	66.1	19.5	28	56.1	13.4
14	56.1	13.4	66.1	19.5	27	56.1	13.4
15	56.1	13.4	66.1	19.5	26	56.1	13.4
16	56.1	13.4	66.1	19.5	25	56.1	13.4
17	56.1	13.4	66.1	19.5	24	56.1	13.4
18	56.1	13.4	66.1	19.5	23	56.1	13.4
19	56.1	13.4	66.1	19.5	22	56.1	13.4
20	56.1	13.4	66.1	19.5	21	56.1	13.4
21	56.1	13.4	66.1	19.5	20	56.1	13.4
22	56.1	13.4	66.1	19.5	19	56.1	13.4
23	56.1	13.4	66.1	19.5	18	56.1	13.4
24	56.1	13.4	66.1	19.5	17	56.1	13.4
25	56.1	13.4	66.1	19.5	16	56.1	13.4
26	56.1	13.4	66.1	19.5	15	56.1	13.4
27	56.1	13.4	66.1	19.5	14	56.1	13.4
28	56.1	13.4	66.1	19.5	13	56.1	13.4
29	56.1	13.4	66.1	19.5	12	56.1	13.4
30	56.1	13.4	66.1	19.5	11	56.1	13.4
31	56.1	13.4	66.1	19.5	10	56.1	13.4
Monthly	56.1	13.4	66.1	19.5	5	56.1	13.4

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION		STATION NAME		YEARS		MONTH	
4		CLINTON, ALABAMA		1974-1975			
DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE	EXTREME	AVERAGE	EXTREME	AVERAGE	EXTREME	
F	C	F	C	F	C	F	DATE
1	14.0	17.0	7	17.0	11.0	12.0	
2	14.0	17.0	7	17.0	11.0	12.0	1974
3	14.0	17.0	7	17.0	11.0	12.0	1974
4	14.0	17.0	7	17.0	11.0	12.0	1974
5	14.0	17.0	7	17.0	11.0	12.0	1974
6	14.0	17.0	7	17.0	11.0	12.0	1974
7	14.0	17.0	7	17.0	11.0	12.0	1974
8	14.0	17.0	7	17.0	11.0	12.0	1974
9	14.0	17.0	7	17.0	11.0	12.0	1974
10	14.0	17.0	7	17.0	11.0	12.0	1974
11	14.0	17.0	7	17.0	11.0	12.0	1974
12	14.0	17.0	7	17.0	11.0	12.0	1974
13	14.0	17.0	7	17.0	11.0	12.0	1974
14	14.0	17.0	7	17.0	11.0	12.0	1974
15	14.0	17.0	7	17.0	11.0	12.0	1974
16	14.0	17.0	7	17.0	11.0	12.0	1974
17	14.0	17.0	7	17.0	11.0	12.0	1974
18	14.0	17.0	7	17.0	11.0	12.0	1974
19	14.0	17.0	7	17.0	11.0	12.0	1974
20	14.0	17.0	7	17.0	11.0	12.0	1974
21	14.0	17.0	7	17.0	11.0	12.0	1974
22	14.0	17.0	7	17.0	11.0	12.0	1974
23	14.0	17.0	7	17.0	11.0	12.0	1974
24	14.0	17.0	7	17.0	11.0	12.0	1974
25	14.0	17.0	7	17.0	11.0	12.0	1974
26	14.0	17.0	7	17.0	11.0	12.0	1974
27	14.0	17.0	7	17.0	11.0	12.0	1974
28	14.0	17.0	7	17.0	11.0	12.0	1974
29	14.0	17.0	7	17.0	11.0	12.0	1974
30	14.0	17.0	7	17.0	11.0	12.0	1974
31	14.0	17.0	7	17.0	11.0	12.0	1974
Monthly	14.0	17.0	7	17.0	11.0	12.0	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
1	ALICE HEATH, CALIF. 11A	115

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NUMBER
FROM DAILY OBSERVATIONS

STATION NAME YEARS

THIS DELETED TABLE HEAT
AND IN LESS THAN FULL MONTH

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

HIGHEST TEMPERATURE
FROM DAILY OBSERVATIONS

STATION

SAF CLIMATE, CALIFORNIA

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1953					52	55	56	59	61	58	55		
1954		4	47	47	49	53	54	54	57	56	41		
1955		4	47	46	49	51	54	57	56	56	47		
1956		44	46	51	54	53	53	59	58	54	49	46	
1957	44	47	49	46	49	52	57	61	59	57	41	43	43
1958	4	44	50	47	51	53	56	59	55	55	45	44	44
1959	4	47	45	51	52	54	57	61	58	51	55	50	45
1960	4	51		51	48	55	56	54	54	54	51		
1961		4	47	49	46	53	57	61	56	44	45		
1962		44	44	46	50	56	59	59	55	52	52	4	
1963	44	45	44	47	50	53	53	54	55	54	47	46	44
1964	41	47	42	46	52	57	56	56	57	52	44	42	41
1965	44	47	46	44	48	52	52	57	58	51	44	41	44
1966	44	45	39	47	51	54	57	58	56	52	43	44	44
1967	42	44	44	44	46	52	54	61	55	50	41	45	45
1968	40	43	49	46	49	51	56	55	53	52			
1969			43	43							41	42	
1970		45	44	44	49	53	57	61	57	44	41	45	41
1971	44	41	44	44	49	54	56	59	57	47	47	45	41
1972													
1973													
1974													
1975													
1976													
1977													
1978													
1979													
1980													
MEAN	47.2	45.7	45.3	44.6	47.5	54.1	56.0	56.2	56.9	52.3	47.4	43.0	47.7
S D	2.2	2.7	2.77	2.3	1.22	1.47	1.04	1.51	2.04	3.15	3.34	2.64	2.64
TOTAL OBS	113	41	52	54	55	54	55	55	54	55	40	40	115

SMOS

EXTREME VALUES

[illegible]

SILOS

PSYCHROMETRIC SUMMARY

STAT CH NAME

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NAVWEASERVCOM

NAVWEASERVCOM

STATION

STATION NAME

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Temp F	WET BULB TEMPERATURE DEPRESSION F																														TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB-WBF	Dry Bulb Wet Bulb Diff.	Dew Point

PSYCHROMETRIC SUMMARY

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

1982 1983 1984 1985

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MATH

89

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

111

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

[illegible]

NAVWEASERVCOM

NAVWEASERVCOM

STATION

STATION NAME

4485

454

[illegible]

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

4512

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

STAT CH NAME

YEARS

1997

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NAVAL WEATHER SERVICE DETACHMENT
KNOXVILLE, TENNESSEE CAROLINA

RELATIVE HUMIDITY

5. 7. 2. 0. 0

STATION NAME

PI 9.12

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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OCEANAV-SMOS

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REFERENCE

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NAVAL WEATHER SERVICE DETACHMENT
ARMYVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	DATE	TIME	STATION NAME
1	10-10-50	10:00	STATION 1
2	10-10-50	10:05	STATION 2
3	10-10-50	10:10	STATION 3
4	10-10-50	10:15	STATION 4
5	10-10-50	10:20	STATION 5
6	10-10-50	10:25	STATION 6
7	10-10-50	10:30	STATION 7
8	10-10-50	10:35	STATION 8
9	10-10-50	10:40	STATION 9
10	10-10-50	10:45	STATION 10
11	10-10-50	10:50	STATION 11
12	10-10-50	10:55	STATION 12
13	10-10-50	11:00	STATION 13
14	10-10-50	11:05	STATION 14
15	10-10-50	11:10	STATION 15
16	10-10-50	11:15	STATION 16
17	10-10-50	11:20	STATION 17
18	10-10-50	11:25	STATION 18
19	10-10-50	11:30	STATION 19
20	10-10-50	11:35	STATION 20
21	10-10-50	11:40	STATION 21
22	10-10-50	11:45	STATION 22
23	10-10-50	11:50	STATION 23
24	10-10-50	11:55	STATION 24
25	10-10-50	12:00	STATION 25
26	10-10-50	12:05	STATION 26
27	10-10-50	12:10	STATION 27
28	10-10-50	12:15	STATION 28
29	10-10-50	12:20	STATION 29
30	10-10-50	12:25	STATION 30
31	10-10-50	12:30	STATION 31
32	10-10-50	12:35	STATION 32
33	10-10-50	12:40	STATION 33
34	10-10-50	12:45	STATION 34
35	10-10-50	12:50	STATION 35
36	10-10-50	12:55	STATION 36
37	10-10-50	1:00	STATION 37
38	10-10-50	1:05	STATION 38
39	10-10-50	1:10	STATION 39
40	10-10-50	1:15	STATION 40
41	10-10-50	1:20	STATION 41
42	10-10-50	1:25	STATION 42
43	10-10-50	1:30	STATION 43
44	10-10-50	1:35	STATION 44
45	10-10-50	1:40	STATION 45
46	10-10-50	1:45	STATION 46
47	10-10-50	1:50	STATION 47
48	10-10-50	1:55	STATION 48
49	10-10-50	2:00	STATION 49
50	10-10-50	2:05	STATION 50
51	10-10-50	2:10	STATION 51
52	10-10-50	2:15	STATION 52
53	10-10-50	2:20	STATION 53
54	10-10-50	2:25	STATION 54
55	10-10-50	2:30	STATION 55
56	10-10-50	2:35	STATION 56
57	10-10-50	2:40	STATION 57
58	10-10-50	2:45	STATION 58
59	10-10-50	2:50	STATION 59
60	10-10-50	2:55	STATION 60
61	10-10-50	3:00	STATION 61
62	10-10-50	3:05	STATION 62
63	10-10-50	3:10	STATION 63
64	10-10-50	3:15	STATION 64
65	10-10-50	3:20	STATION 65
66	10-10-50	3:25	STATION 66
67	10-10-50	3:30	STATION 67
68	10-10-50	3:35	STATION 68
69	10-10-50	3:40	STATION 69
70	10-10-50	3:45	STATION 70
71	10-10-50	3:50	STATION 71
72	10-10-50	3:55	STATION 72
73	10-10-50	4:00	STATION 73
74	10-10-50	4:05	STATION 74
75	10-10-50	4:10	STATION 75
76	10-10-50	4:15	STATION 76
77	10-10-50	4:20	STATION 77
78	10-10-50	4:25	STATION 78
79	10-10-50	4:30	STATION 79
80	10-10-50	4:35	STATION 80
81	10-10-50		

818

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS:

[illegible]

OCEANAV-SMOS

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NAVAL WEATHER SERVICE DETACHMENT
 ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: 1951-1952

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN		100.0	100.0	100.0	99.9	99.9	99.1	98.1	96.1	93.7	96.1	1
FEB		100.0	100.0	100.0	100.0	99.9	99.9	99.1	98.1	97.9	98.1	2
MAR		100.0	100.0	99.7	99.6	99.9	99.1	98.1	96.1	91.7	91.7	1
APR		100.0	100.0	99.9	99.9	99.9	99.9	99.4	98.4	96.9	98.9	1
MAY		100.0	100.0	99.7	99.6	99.9	99.9	99.9	99.4	98.9	99.9	1
JUN		100.0	99.7	99.6	99.9	99.9	99.9	99.4	98.9	98.9	99.9	1
JUL		100.0	100.0	100.0	99.7	99.9	99.9	99.4	98.9	98.1	99.1	1
AUG		100.0	100.0	100.0	100.0	99.9	99.9	99.4	98.9	98.7	99.9	1
SEPT												
OCT												
NOV												
DEC												
TOTALS		100.0	99.9	99.7	99.6	99.9	99.9	99.4	98.7	98.7	99.1	11

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

RELATIVE HUMIDITY

STATIC

STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: 1961-1962

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.0	100
2		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	87.0	100
3		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
4		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	80.7	100
5		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	87.0	100
6		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	87.0	100
7		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
8		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
9		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
10		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
11		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
12		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	100
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.1	1200

OCEANAV-SMOS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: MONTH: YEAR: 1954

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	76.4	20
FEB		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.9	20
MAR		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.1	20
APR		100.0	100.0	100.0	99.7	99.7	99.7	71.4	30.0	10.4	71.2	20
MAY		100.0	100.0	100.0	100.0	99.0	99.0	47.4	10.0	1.0	70.0	20
JUN		100.0	100.0	100.0	100.0	100.0	99.4	40.0	10.0		71.0	20
JUL		100.0	100.0	100.0	100.0	100.0	99.6	41.0	15.0	3.0	70.6	20
AUG		100.0	100.0	100.0	100.0	100.0	100.0	97.0	50.0	0.0	73.0	20
SEPT												
OCT												
NOV												
DEC												
TOTALS		100.0	100.0	100.0	100.0	99.0	99.0	40.0	10.0	1.0	70.9	200

OCEANAV-SMOS

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RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	WAVELENGTH	UNIT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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OCEANAV-SMOS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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OCEANAV-SMOS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

OCEANARY-SMOS

— *Journal of the American Medical Association*

STATISTICS

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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OCEANAV-SMOS

WIND DIRECTION

SAN JOSE COUNTY, CALIF

WIND DIRECTION

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	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3319	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	3334	3335	3336	3337	3338	3339	3340	3341	3342	3343	3344
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NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

6. SHERMAN ISLAND, CALIFORNIA JANUARY 1973-DECEMBER 1987

WMO 811

TEMP.	WIND DIRECTION										TOTAL FREQ.	TOTAL HOURS
	NNE & N	NNE & NE	E & ESE	ESE & SE	SE & SSE	SSE & S	S & SSW	SSW & SW	SW & WSW	WSW & W		
1-22												
23-24												
25-26												
27-28												
29-30												
31-32												
33-34												
35-36												
37-38												
39-40												
41-42												
43-44												
45-46												
47-48												
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51-52												
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57-58												
59-60												
61-62												
63-64												
65-66												
67-68												
69-70												
71-72												
73-74												
75-76												
77-78												
79-80												
81-82												
83-84												
85-86												
87-88												
89-90												
91-92												
93-94												
95-96												
97-98												
99-100												
TOTALS	8.7	2.0	3.3	2.7	7.9	9.8	26.3	31.6	7.8	23.6	100.0	

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

ANACAPLES ISLAND, CALIFORNIA JANUARY 1971-2, DECEMBER 1982 120-11 411

TEMPERATURE	WIND DIRECTION									
	000	045	090	135	180	225	270	315	360	TOTAL
1-10	8.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS	12.2	2.2	2.2	4.2	12.2	12.2	29.2	12.2	2.2	1.1
1-10	11.2	7.7	7.7	3.3	3.3	22.2	22.2	17.2	1.1	4.0
11-20	10.2	1.2	4.2	4.2	4.2	10.2	27.2	22.2	1.5	14.4
21-30	2.2	1.2	4.2	1.2	6.2	10.2	33.2	33.2	4.2	25.7
31-40	2.2	4.2	2.2	4.2	3.7	3.7	34.7	36.6	7.5	43.2
41-50	1.4	1.4	5.6	4.7	14.6	7.5	22.2	24.5	15.1	6.4
51-60			37.5	25.0	25.0			12.5		4.4
61-70										
71-80										
81-90										
91-100										
TOTALS										
1-10										
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS										
1-10										
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS										
1-10										
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS										
1-10										
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS										
1-10										
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS										
1-10										
11-20										
21-30										
31-40										
41-50										
51-60										
61-70										
71-80										
81-90										
91-100										
TOTALS										

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

AT GILMER I. ILLA., CALIFORNIA JANUARY 1971-DECEMBER 1972 DAY 1.1

WIND DIRECTION											
TEMP.	SWW S.W.	SW S.W.	SE S.E.	SE S.E.	SE S.E.	SE S.E.	SE S.E.	SE S.E.	SE S.E.	SE S.E.	SE S.E.
122.1											
122.1-123											
123.1-124											
124.1-125											
125.1-126											
126.1-127											
127.1-128											
128.1-129											
129.1-130											
130.1-131											
131.1-132											
132.1-133											
133.1-134											
134.1-135											
135.1-136											
136.1-137											
137.1-138											
138.1-139											
139.1-140											
140.1-141											
141.1-142											
142.1-143											
143.1-144											
144.1-145											
145.1-146											
146.1-147											
147.1-148											
148.1-149											
149.1-150											
150.1-151											
151.1-152											
152.1-153											
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187.1-188											
188.1-189											
189.1-190											
190.1-191											
191.1-192											
192.1-193											
193.1-194											
194.1-195											
195.1-196											
196.1-197											
197.1-198											
198.1-199											
199.1-200											
TOTALS	3.9	.9	2.0	1.4	7.9	15.3	47.0	21.4	6.5	231.0	150.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION: A. CLEMENTE ISLAND, CALIFORNIA YEAR: JANUARY 1973-DECEMBER 1980 MONTH: JUNE ALL

TEMP.	WIND DIRECTION								CALM	TOTAL FREQ.	% TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW			
120											
117 TO 120											
112 TO 115											
107 TO 110											
102 TO 105											
97 TO 100											
92 TO 95											
87 TO 90	1.0				2.0		40.0	20.0			6.2
82 TO 85			1.0			80.0					0.2
77 TO 80				5.7	17.6	52.9	23.5			17	0.9
72 TO 75	6.7	1.0	2.9	1.9	7.6	23.8	41.0	13.3	1.7	106	6.7
67 TO 70	4.7	1.0	2.0	.7	5.1	20.3	51.7	13.2	1.4	226	13.2
62 TO 65	2.7	.3	2.1	1.5	6.9	17.1	52.3	14.4	2.3	673	30.0
57 TO 60	.7	.4	1.6	1.2	5.0	13.4	47.7	21.3	1.8	95	4.3
52 TO 55	.1		1.0	2.5	8.2	9.7	46.2	24.1	7.7	145	6.7
47 TO 50											
42 TO 45											
37 TO 40											
32 TO 35											
27 TO 30											
22 TO 25											
17 TO 20											
12 TO 15											
7 TO 10											
2 TO 5											
1 TO 0											
0 TO -1											
-1 TO -2											
-2 TO -3											
-3 TO -4											
-4 TO -5											
-5 TO -6											
-6 TO -7											
-7 TO -8											
-8 TO -9											
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-59 TO -60											
TOTALS	6.3	6.4	1.7	1.6	6.5	18.0	88.6	17.8	5.0	2201	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

AT CLEMENTE AIRFIELD, CALIFORNIA JANUARY 1973-DECEMBER 1982

JULY

ALL

WIND DIRECTION											
TEMP.	NW & N	NE & NE	E & E	SE & SE	S & S	SW & SW	WS & W	WN & NW	WIND DIRECTION	TOTAL FREQ.	TOTAL %
122											
121 TO 122											
120 TO 121											
119 TO 120											
118 TO 119											
117 TO 118											
116 TO 117											
115 TO 116											
114 TO 115											
113 TO 114											
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28 TO 29											
27 TO 28											
26 TO 27											
25 TO 26											
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22 TO 23											
21 TO 22											
20 TO 21											
19 TO 20											
18 TO 19											
17 TO 18											
16 TO 17											
15 TO 16											
14 TO 15											
13 TO 14											
12 TO 13											
11 TO 12											
10 TO 11											
9 TO 10											
8 TO 9											
7 TO 8											
6 TO 7											
5 TO 6											
4 TO 5											
3 TO 4											
2 TO 3											
1 TO 2											
0 TO 1											
TOTALS	2.2	.4	1.0	.8	6.9	19.1	52.5	11.5	5.6	21.0	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

ANACAPUE ISLAND, CALIFORNIA JANUARY 1973-DECEMBER 1982

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	E & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	WNW & NW	TOTAL	TOTAL
12.0											
12.1-12.5											
12.6-13.0											
13.1-13.5											
13.6-14.0											
14.1-14.5											
14.6-15.0											
15.1-15.5											
15.6-16.0											
16.1-16.5	170.0									1	0.1
16.6-17.0					12.2	17.5	12.5	29.0	12.5	8	0.1
17.1-17.5	2.0		0.1		1.4	28.8	51.9	12.3	1.0	201	0.9
17.6-18.0	1.7	1.0	2.2	1.0	3.6	18.6	54.0	12.9	2.0	501	25.4
18.1-18.5	1.8	0.2	0.1	0.1	6.0	15.3	51.8	16.0	0.2	1167	50.7
18.6-19.0			0.2		4.3	9.9	50.2	16.4	10.6	140	10.0
19.1-19.5										100.0	1
19.6-20.0											
20.1-20.5											
20.6-21.0											
21.1-21.5											
21.6-22.0											
22.1-22.5											
22.6-23.0											
23.1-23.5											
23.6-24.0											
24.1-24.5											
24.6-25.0											
25.1-25.5											
25.6-26.0											
26.1-26.5											
26.6-27.0											
27.1-27.5											
27.6-28.0											
28.1-28.5											
28.6-29.0											
29.1-29.5											
29.6-30.0											
30.1-30.5											
30.6-31.0											
31.1-31.5											
31.6-32.0											
32.1-32.5											
32.6-33.0											
33.1-33.5											
33.6-34.0											
34.1-34.5											
34.6-35.0											
35.1-35.5											
35.6-36.0											
36.1-36.5											
36.6-37.0											
37.1-37.5											
37.6-38.0											
38.1-38.5											
38.6-39.0											
39.1-39.5											
39.6-40.0											
40.1-40.5											
40.6-41.0											
41.1-41.5											
41.6-42.0											
42.1-42.5											
42.6-43.0											
43.1-43.5											
43.6-44.0											
44.1-44.5											
44.6-45.0											
45.1-45.5											
45.6-46.0											
46.1-46.5											
46.6-47.0											
47.1-47.5											
47.6-48.0											
48.1-48.5											
48.6-49.0											
49.1-49.5											
49.6-50.0											
50.1-50.5											
50.6-51.0											
51.1-51.5											
51.6-52.0											
52.1-52.5											
52.6-53.0											
53.1-53.5											
53.6-54.0											
54.1-54.5											
54.6-55.0											
55.1-55.5											
55.6-56.0											
56.1-56.5											
56.6-57.0											
57.1-57.5											
57.6-58.0											
58.1-58.5											
58.6-59.0											
59.1-59.5											
59.6-60.0											
60.1-60.5											
60.6-61.0											
61.1-61.5											
61.6-62.0											
62.1-62.5											
62.6-63.0											
63.1-63.5											
63.6-64.0											
64.1-64.5											
64.6-65.0											
65.1-65.5											
65.6-66.0											
66.1-66.5											
66.6-67.0											
67.1-67.5											
67.6-68.0											
68.1-68.5											
68.6-69.0											
69.1-69.5											
69.6-70.0											
70.1-70.5											
70.6-71.0											
71.1-71.5											
71.6-72.0											
72.1-72.5											
72.6-73.0											
73.1-73.5											
73.6-74.0											
74.1-74.5											
74.6-75.0											
75.1-75.5											
75.6-76.0											
76.1-76.5											
76.6-77.0											
77.1-77.5											
77.6-78.0											
78.1-78.5											
78.6-79.0											
79.1-79.5											
79.6-80.0											
80.1-80.5											
80.6-81.0											
81.1-81.5											
81.6-82.0											
82.1-82.5											
82.6-83.0											
83.1-83.5											
83.6-84.0											
84.1-84.5											
84.6-85.0											
85.1-85.5											
85.6-86.0											
86.1-86.5											
86.6-87.0											
87.1-87.5											
87.6-88.0											
88.1-88.5											
88.6-89.0											
89.1-89.5											
89.6-90.0											
90.1-90.5											
90.6-91.0											
91.1-91.5											
91.6-92.0											
92.1-92.5											
92.6-93.0											
93.1-93.5											
93.6-94.0											
94.1-94.5											
94.6-95.0											
95.1-95.5											
95.6-96.0											
96.1-96.5											
96.6-97.0											
97.1-97.5											
97.6-98.0											
98.1-98.5											
98.6-99.0											
99.1-99.5											
99.6-100.0											
TOTALS	0.1	0.9	1.1	0.0	0.5	16.8	53.2	15.1	6.4	237	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

ALCANTARA ISLAND, CALIFORNIA JANUARY 1973-DECEMBER 1982 SECTEMPER ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	TOTAL %
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			3.3	33.3	33.3					7	.1
87 TO 91	2.2		11.1	22.2		33.3	11.1			4	.4
82 TO 86	20.0	6.7	6.7		10.0	6.7	6.7	33.3		14	.7
77 TO 81	22.7	2.2	2.3		6.8	22.7	20.5	15.9	6.8	44	2.7
72 TO 76	11.5	3.2	7.1	4.5	5.1	23.1	27.6	14.7	3.2	154	6.9
67 TO 71	7.6	1.2	5.6	3.1	4.8	14.9	39.9	20.0	2.7	516	23.0
62 TO 66	7.7	.3	1.0	1.7	7.5	12.6	42.0	21.5	10.4	1171	49.0
57 TO 61	1.0	1.0	1.5	1.3	10.0	15.3	36.5	21.3	11.5	400	17.8
52 TO 56									100.0	7	.1
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
59 & LWR											
TOTALS	5.0	.9	2.8	2.2	7.3	14.6	38.6	20.5	8.2	2247	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

AT CEM NIE ISLAND, CALIFORNIA JANUARY 1971-DECEMBER 1992 101042 ALL

WIND DIRECTION											
WIND DIR.	NNE A N	NNE A NE	NNE A E	ESE A SE	ESE A S	SSW A SW	WSW A W	WNW A NW	CAUV	TOTAL FREQ	TOTAL
000											
000-020											
020-040											
040-060											
060-080											
080-100											
100-120											
120-140											
140-160											
160-180											
180-200											
200-220											
220-240											
240-260											
260-280											
280-300											
300-320											
320-340											
340-360											
360-380											
380-400											
400-420											
420-440											
440-460											
460-480											
480-500											
500-520											
520-540											
540-560											
560-580											
580-600											
600-620											
620-640											
640-660											
660-680											
680-700											
700-720											
720-740											
740-760											
760-780											
780-800											
800-820											
820-840											
840-860											
860-880											
880-900											
900-920											
920-940											
940-960											
960-980											
980-1000											
TOTALS	1.2	2.0	2.4	2.7	6.3	12.1	34.0	20.2	0.9	273	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

AL CLEMENTE ISLAND, CALIFORNIA JANUARY 1977-DECEMBER 1982 4 TIMES A/L

TEMPERATURE	WIND DIRECTION											TOTAL
	NW	N	NE	E	SE	S	SW	W	WSW	WS	W	
	S.W.	N.W.	N.E.	E.	S.E.	S.	S.W.	S.W.	S.W.	S.W.	S.W.	
1-2												
3-4												
5-6												
7-8												
9-10												
11-12												
13-14												
15-16												
17-18												
19-20												
21-22												
23-24												
25-26												
27-28												
29-30												
31-32												
33-34												
35-36												
37-38												
39-40												
41-42												
43-44												
45-46												
47-48												
49-50												
51-52												
53-54												
55-56												
57-58												
59-60												
61-62												
63-64												
65-66												
67-68												
69-70												
71-72												
73-74												
75-76												
77-78												
79-80												
81-82												
83-84												
85-86												
87-88												
89-90												
91-92												
93-94												
95-96												
97-98												
99-100												
TOTALS	11.5	3.2	5.6	4.5	8.2	10.2	22.0	23.6	10.9	21.6	100.0	

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION

WIND DIRECTION

WIND DIRECTION	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
0-10	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
10-20	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
20-30	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
30-40	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
40-50	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
50-60	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
60-70	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
70-80	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
80-90	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
90-100	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
100-110	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
110-120	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
120-130	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
130-140	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
140-150	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
150-160	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
160-170	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
170-180	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
180-190	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
190-200	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
200-210	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
210-220	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
220-230	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
230-240	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
240-250	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
250-260	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
260-270	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
270-280	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
280-290	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
290-300	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
300-310	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
310-320	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
320-330	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
330-340	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
340-350	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7
350-360	1.7	4.1	1.1	.1	1.7	1.7	1.7	1.7	1.7	1.7

WIND DIRECTION

WIND DIRECTION

[illegible]

Admiralty, London

PART F

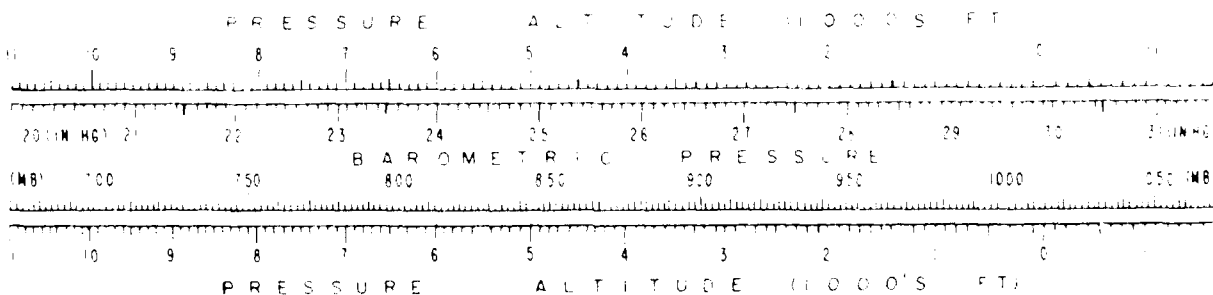
PRESSURE SUMMARY

Presented in this part are tables giving the mean, standard deviation, and total number of observations of station pressure and sea-level pressure by month and annual for the 1941-1948 period corresponding to the official synoptic times GMT. The same computations are also given at the bottom of the page for all years combined. All years of data available are combined in the 1941-1948 period, with the 1941 period is limited to January 1948 through December 1948. The data are given in the following order: before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 100's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



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DATE

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